



# Appendix A

The Billings Area Health Services Master Plan  
**Facility Provider Visits by Community**

Facility Provider Visits by Community (1999-2001)

Community Code	Community Name	State
102	Alton	WY
360	Albion	MT
160	Anaconda	MT
760	Arapahoe	WY
270	Aries	MT
500	Ashland	MT
300	Augusta	MT
246	Apane	MT
200	Babb	MT
201	Badger	MT
470	Banville	MT
030	Beaver Creek	MT
271	Big Arm	MT
180	Big Fork	MT
600	Big Horn	MT
100	Big Sandy	MT
501	Billings	MT
080	Black Eagle	MT
001	Black Lodge	MT
202	Blufffoot	MT
471	Blie	MT
106	Bonduant	WY
762	Boulder Flat	WY
230	Box Elder	MT
007	Bozeman	MT
420	Brady	MT
025	Broadus	MT
472	Broadfoot	MT
203	Browning	MT
320	Buffalo	WY
763	Burns	WY
002	Bustle	MT
004	Butte	MT
501	Camas	MT
081	Cascade	MT
940	Casper	WY
272	Chaito	MT
320	Chester	MT
031	Chinook	MT
560	Choteau	MT
001	Circle	MT
381	Clinton	MT
502	Colstrip	MT
181	Columbia Falls	MT
121	Conrad	MT
450	Convalls	MT
003	Crow Agency	MT
764	Crownpoint	WY
474	Cubitation	MT
205	Culbertson	MT
766	Culvert	WY
231	Dubois	WY
474	Dugout Creek	MT
151	Dugway	MT
561	Dutton	MT
206	East Glacier	MT
302	Editha	MT
060	Edgar	MT
101	Ekalaka	MT
274	Eloise	MT

## Number and Percentage of Primary Care, Specialty Care and Urgent Care Visits



The Billings Area Health Services Master Plan  
**Facility Provider Visits by Community**

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Facility Provider Visits by Community (1999-2001)

Community Code	Community Name	State
107	Erieite	WV
340	Eureka	MT
387	Evaro	MT
580	Fairfield	MT
875	Fairview	MT
303	Fallon	MT
002	Fiamond	MT
452	Fibreco	MT
303	Forsyth	MT
102	Fort Belvoir	MT
475	Fort Custer	MT
620	Fort Peck	MT
621	Frazier	MT
382	Franchtown	MT
476	Fred	MT
768	Ft. Washakie	WY
050	Fr. Bakewell Agency	MT
012	Garytown	MT
710	Gilleott	WY
622	Glasgow	MT
005	Granite	MT
082	Granite Falls	MT
860	Green River	WY
455	Hamilton	MT
402	Hamilton Dom	WY
034	Hardin	MT
032	Hartem	MT
233	Havre	MT
033	Hays	MT
034	Heys Run	MT
423	Heint Butte	MT
303	Helena	MT
529	Henslow	MT
035	Hogeland	MT
876	Homedale	MT
522	Holt Spring	MT
769	Hudson	WY
182	Hungry Horse	MT
764	Hysian	MT
237	Joplin	MT
183	Kalskag	WY
821	Kayne	WY
070	Kanner	MT
239	Kemin	MT
364	Lame Deer	MT
771	Lander	WY
401	Lansbury	MT
641	Laurie	MT
341	Layne	MT
010	Livingston	MT
006	Lodge Grass	MT
384	Lodge Pole	MT
383	Loib	MT
700	Lovell	WY
402	Maria	MT
540	Medicine Lak	MT
120	Miles City	MT
037	Miles River	MT
384	Milton	MT
284	Mission Dam	MT
385	Missoula	MT
930	Montana Uirk	MT
772	Merton	WY
010	Mudy Cluster	MT

## **Number and Percentage of Primary Care, Specialty Care and Urgent Care Visits**

## Facility Provider Visits by Community (1999-2001)

Community Name		Number and Percentage of Primary Care, Specialty Care and Urgent Care Visits																										
Community Code	State	Arphahoe Health Center		Crow-Northern Hospital		Cheyenne Hospital		Ft. Belknap Health		Hay's Health Clinic		Heart Butte Health		Lodge Grass Health Center		Northern Flint (Polson)		Polar-Verm E Gibbs Health Center		Rocky Boy Health Center		Southern Flint (St. Ignatious)		Wolfe Point - Chief Redstone Clinic		Total		
624	Niobrara	MT	0%	2	0%	6	1%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	0%	0%	712	90%	788		
329	Newtown	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	10%	0%	0%	0%	0%	4				
323	Niobrada	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5	71%	0%	0%	0%	0%	0%	7				
773	North Fork	WY	26	2%	0%	0%	0%	0%	13	322	98%	0%	12	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1,348			
241	North Haystack	MT	0%	0%	2	0%	13	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5,463			
241	North Parker School	MT	0%	22	1%	4	0%	1	0%	0%	0%	0%	0%	0%	0%	0%	1	50%	0%	0%	0%	0%	0%	0%	3,920			
528	Noxon	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1	9%	0%	0%	0%	0%	0%	2			
625	Opheim	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	112	7%	0%	0%	0%	0%	0%	1,631			
326	Oswego	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	209	24%	5	1%	0%	6	0%	500	58%	2,076	
275	Pabico	MT	0%	0%	103	12%	10	1%	2	0%	0%	0%	3	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1,046			
240	Parker Carr R.	MT	0%	2	0%	0%	0%	1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	698			
774	Pavilion	WY	230	33%	0%	0%	0%	0%	468	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6,149			
362	Pendroy	MT	0%	1	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	698			
525	Perma	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1			
526	Plains	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12	38%	0%	0%	0%	0%	0%	19	61%	0%	
542	Pineywood	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	128	98%	0%	0%	0%	0%	0%	1	1%	120	
276	Polson	MT	0%	54	7%	5	1%	0%	0%	1	0%	0%	0%	0%	0%	0%	0%	472	61%	7	1%	0%	1	0%	237	30%	760	
277	Poplar-Rural	MT	0%	4	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	193	68%	0%	0%	0%	0%	0%	0%	0%	2,633	
480	Poplar	MT	7	0%	22	0%	34	0%	11	0%	0%	0%	0%	0%	0%	0%	0%	64	0%	3	0%	0%	60,497	97%	4	0%	1,534	
307	Poyar	MT	0%	9	0%	2,862	20%	1	0%	1	0%	0%	0%	0%	0%	0%	31	0%	49	0%	0%	2	0%	11,035	79%	4	0%	0%
288	Rawlins	WY	91	69%	0%	0%	0%	0%	41	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3,995		
720	Rawlins	WY	91	69%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9		
479	Reserve	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	178		
342	Roxford	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1	50%	0%	0%	0%	0%	0%	1	50%	0%	
327	Richard	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6		
480	Riverton	WY	17,984	88%	1	0%	9	0%	0%	0%	2,872	14%	0%	0%	0%	0%	0%	22	0%	3	0%	0%	0%	0%	0%	0%	246	
775	Riverton	WY	13	15%	0%	2	33%	0%	0%	73	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
861	Rock Springs	WY	8	0%	57	2%	1	0%	14	0%	0%	0%	0%	0%	0%	0%	13	0%	0%	0%	0%	0%	0%	0%	0%	0%		
342	Rocky Boy Agency	MT	14	1%	53	5%	3	0%	0%	0%	0%	24	0%	0%	0%	0%	4	0%	0%	0%	0%	0%	0%	0%	0%	3,710		
278	Ronan	MT	0%	0%	0%	0%	0%	0%	2	1%	0%	0%	0%	0%	0%	0%	0%	54	17%	0%	0%	0%	0%	0%	0%	0%	1,164	
279	Roth-Rural	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	272	98%	0%	0%	0%	0%	0%	0%	0%	260	
305	Rosebud	MT	0%	1	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	275		
243	Rudyard	MT	0%	1	2%	0%	33%	0%	0%	33	54%	0%	0%	0%	0%	0%	35	3%	241	0%	0%	0%	0%	0%	0%	0%	0%	
403	Sacco	MT	0%	1	0%	2	0%	3	0%	0%	0%	0%	0%	0%	0%	0%	0%	16	1%	99	5%	0%	0%	0%	0%	0%	27	
244	Sandrey	MT	0%	1	0%	23	85%	0%	4	15%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%		
377	Shoshoni	WY	207	87%	0%	0%	0%	0%	0%	0%	31	13%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	1,034		
278	Smoky	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7	0%	0%	0%	0%	0%	0%	0%	2,910		
454	Stevensville	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50	3%	0%	0%	0%	0%	0%	0%	0%	1,516	
592	Stimpy	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13		
362	Superior	WY	0%	1	6%	0%	0%	0%	0%	0%	8	44%	0%	0%	0%	0%	0%	1	6%	0%	0%	0%	0%	0%	0%	0%	4	
361	St. Regis	MT	0%	0%	24	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	1	1%	0%	0%	0%	1,627		
378	Sweet Grass	MT	10	48%	11	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	0%	0%	0%	0%	0%	0%	0%	0%	2		
202	Terry	MT	0%	5	0%	1,345	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	44	2%	0%	0%	0%	0%	0%	0%	0%	238	
304	Thermopolis	WY	317	82%	6	2%	0%	0%	0%	0%	50	13%	0%	0%	0%	0%	0%	13	3%	0%	0%	0%	0%	0%	0%	0%	386	
327	Thompson Falls	MT	0%	1	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2		
530	Trot Creek	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1,000%		
380	Troy	MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2		
339	Turner	MT	0%	0%	60	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1	1%	0%	0%	0%	0%	0%	0%	0%	1,627	
324	Vaile	MT	0%	630	83%	0%	0%	0%	0%	0%	124	16%	0%	0%	0%	0%	0%	0%	0%	0%	1	0%	0%	0%	0%	755		
184	West Glacier	MT	0%	12	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18		
543	Westby	MT	0%	1	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1		
385	Whitfish	MT	0%	69	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14	15%	0%	0%	0%	0%	0%	0%	0%	93	

Facility Provider Visits by Community (1999-2001)

Intentionally Blank



# Appendix B



## **Provider Visits By Tribal Registration 1999-2001**

Service Unit	Community Name	State	Number and Percentage of Primary Care, Specialty Care and Urgent Care Visits																									Total					
			Arapaho Tribe, Wind River Reservation			Assinboine Tribes, Fort Peck			Blackfeet Tribe			Chippewa-Cree Indians, Rocky Boy Reservation			Confederated Salish/Kootenai Tribes, Flathead			Crow Tribe			Fort Belknap Indian Community, Gros Ventre			Northern Cheyenne Tribe			Shoshone Tribe, Wind River Reservation			Sioux Tribes, Fort Peck			Other
			#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%					
Blackfeet	Babb	MT	0	0%	0	0%	2,625	83%	104	3%	19	1%	41	1%	0	0%	5	0%	9	0%	0	0%	0	0%	359	11%	3,162						
Blackfeet	Badger	MT	0	0%	0	0%	89	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	89						
Blackfeet	Blackfoot	MT	0	0%	0	0%	44	83%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	9	17%	53						
Blackfeet	Brady	MT	0	0%	0	0%	0	0%	5	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5						
Blackfeet	Browning	MT	410	0%	240	0%	113,100	91%	1,752	1%	176	0%	390	0%	251	0%	390	0%	578	0%	24	0%	137	0%	7,250	6%	124,698						
Blackfeet	Conrad	MT	0	0%	0	0%	219	77%	20	7%	2	1%	1	0%	0	0%	0	0%	0	0%	0	0%	0	0%	43	15%	285						
Blackfeet	Cut Bank	MT	4	0%	3	0%	5,075	85%	152	3%	18	0%	11	0%	7	0%	132	2%	8	0%	0	0%	1	0%	576	10%	5,987						
Blackfeet	Dupuyer	MT	0	0%	0	0%	276	99%	1	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	1%	280						
Blackfeet	East Glacier	MT	2	0%	40	1%	2,238	72%	246	8%	1	0%	0	0%	0	0%	7	0%	16	1%	0	0%	0	0%	555	18%	3,105						
Blackfeet	Heart Butte	MT	76	1%	44	0%	12,368	92%	41	0%	6	0%	81	1%	7	0%	11	0%	158	1%	0	0%	4	0%	649	5%	13,445						
Blackfeet	Santa Rita	MT	0	0%	0	0%	27	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	27						
Blackfeet	St. Mary	MT	0	0%	0	0%	20	83%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	17%	24						
Blackfeet	Star School	MT	0	0%	0	0%	1,500	99%	15	1%	1	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1,516						
Blackfeet	Valier	MT	0	0%	0	0%	695	92%	0	0%	2	0%	0	0%	0	0%	37	5%	0	0%	0	0%	0	0%	21	3%	755						
Crow	Ballantine	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0						
Crow	Big Horn	MT	0	0%	7	10%	19	27%	0	0%	0	0%	17	24%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	71						
Crow	Billings	MT	136	1%	545	4%	399	3%	235	2%	21	0%	4,683	37%	236	2%	469	4%	1,085	9%	19	0%	195	2%	4,554	36%	12,577						
Crow	Black Lodge	MT	0	0%	0	0%	0	0%	0	0%	0	0%	20	65%	0	0%	0	0%	11	35%	0	0%	0	0%	0	0%	31						
Crow	Crow Agency	MT	72	0%	80	0%	132	0%	61	0%	82	0%	43,879	78%	46	0%	106	0%	782	1%	69	0%	13	0%	11,140	20%	56,462						
Crow	Edgar	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	35	100%	35						
Crow	Garryowen	MT	0	0%	8	0%	13	0%	0	0%	29	1%	2,739	82%	0	0%	0	0%	10	0%	18	1%	41	1%	466	14%	3,324						
Crow	Hardin	MT	109	1%	88	1%	129	1%	50	0%	13	0%	8,749	57%	39	0%	94	1%	314	2%	15	0%	7	0%	5,654	37%	15,261						
Crow	Hysham	MT	0	0%	0	0%	0	0%	0	0%	0	0%	23	28%	0	0%	0	0%	24	29%	0	0%	0	0%	35	43%	82						
Crow	Laurel	MT	0	0%	35	12%	0	0%	18	6%	3	1%	17	6%	0	0%	7	2%	37	13%	0	0%	4	1%	161	57%	282						
Crow	Lodge Grass	MT	99	0%	4	0%	80	0%	57	0%	35	0%	22,875	80%	51	0%	16	0%	407	1%	12	0%	0	0%	5,100	18%	28,736						
Crow	Lovell	WY	10	45%	2	9%	0	0%	0	0%	4	18%	0	0%	0	0%	0	0%	6	27%	0	0%	0	0%	0	0%	22						
Crow	Pryor	MT	18	0%	56	0%	84	1%	14	0%	1	0%	10,756	77%	28	0%	82	1%	212	2%	0	0%	29	0%	2,715	19%	13,995						
Crow	Roberts	MT	0	0%	0	0%	0	0%	0	0%	0	0%	3	50%	0	0%	0	0%	0	0%	0	0%	0	0%	3	50%	6						
Crow	Sheridan	WY	13	1%	14	1%	2	0%	0	0%	0	0%	194	19%	0	0%	0	0%	51	5%	22	2%	5	0%	733	71%	1,034						
Crow	St. Xavier	MT	10	0%	0	0%	16	1%	0	0%	1,773	84%	0	0%	0	0%	63	3%	1	0%	0	0%	246	12%	2,109								
Crow	Wyola	MT	0	0%	0	0%	7	0%	0	0%	3,203	80%	0	0%	0	0%	82	2%	0	0%	0	0%	697	17%	3,989								
Crow	Yellowtail	MT	0	0%	0	0%	4	0%	6	0%	36	2%	1,203	73%	26	2%	0	0%	7	0%	0	0%	0	0%	355	22%	1,637						
Flathead Tribal	Arlee	MT	7	1%	4	1%	24	5%	9	2%	375	76%	3	1%	0	0%	31	6%	11	2%	0	0%	0	0%	27	5%	491						
Flathead Tribal	Big Arm	MT	0	0%	0	0%	0	0%	0	0%	94	95%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	98							
Flathead Tribal	Big Fork	MT	0	0%	0	0%	6	20%	0	0%	0	0%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	30						
Flathead Tribal	Bonner	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0						
Flathead Tribal	Camas	MT	0	0%	0	0%	0	0%	0	0%	4	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4						
Flathead Tribal	Charlo	MT	0	0%	8	7%	5	4%	4	3%	59	51%	5	4%	0	0%	2	2%	0	0%	0	0%	32	28%	115								
Flathead Tribal	Clinton	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	100%	3						
Flathead Tribal	Columbia Falls	MT	0	0%	9	5%	84	44%	4	2%	0	0%	0	0%	5	3%	0	0%	0	0%	0	0%	0	0%	88	46%	190						
Flathead Tribal	Dayton	MT	0	0%	0	0%	0	0%	0	0%	118	78%	0	0%	0	0%	11	7%	0	0%	0	0%	0	0%	23	15%	152						
Flathead Tribal	Dixon	MT	0	0%	0	0%	2	2%	0	0%	115	91%	1	1%	0	0%	0	0%	0	0%	0	0%	8	6%	126								
Flathead Tribal	Elmo	MT	0	0%	7	1%	22	2%	0	0%	824	94%	3	0%	0	0%	2	0%	0	0%	0	0%	0	0%	23	3%	881						
Flathead Tribal	Evaro	MT	0	0%	0	0%	2	25%	0	0%	6	75%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	8						
Flathead Tribal	Frenchtown	MT	0	0%	0	0%	5	71%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	7						
Flathead Tribal	Heron	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2						
Flathead Tribal	Hot Spring	MT	0	0%	0	0%	21	18%	5	4%	67	58%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	23	20%	116						
Flathead Tribal	Hungry Horse	MT	0	0%	6	19%	3	10%	5	16%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	17	55%	31						
Flathead Tribal	Kalispell	MT	0	0%	47	6%	304	40%	39	5%	30	4%	12	2%	3	0%	10	1%	2	0%	0	0%	64	9%	240	32%	751						
Flathead Tribal	Lolo	MT	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	75%	4						
Flathead Tribal	Milltown	MT	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1						
Flathead Tribal	Mission Dam	MT	0	0%	0	0%	0	0%	0	0%	8	89%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	9						
Flathead Tribal	Missoula	MT	0	0%	47	7%	254	35%	50	7%	25	3%	22	3%	20	3%	54	8%	10	1%	2	0%	9	1%	223	31%	716						
Flathead Tribal	Niarada	MT	0	0%	0	0%	0	0%	0	0%	7	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	7						
Flathead Tribal	Noxon	MT	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	50%	2						
Flathead Tribal	Pablo	MT	0	0%	22	3%	181	21%	34	4%	445	52%	6	1%	4	0%	5	1%	46	5%	1	0%	8	1%	111	13%	863						
Flathead Tribal	Paradise	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0						
Flathead Tribal	Perma	MT	0	0%	0	0%	0	0%	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1						
Flathead Tribal	Plains	MT	0	0%	0	0%	1	3%	0	0%	26	84%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	3	10%	31						
Flathead Tribal	Polson	MT	1	0%	18	2%	124	16%	5	1%	496	64%																					



## Provider Visits By Tribal Registration 1999-2001

Service Unit	Community Name	State	Number and Percentage of Primary Care, Specialty Care and Urgent Care Visits																		Total															
			Arapaho Tribe, Wind River Reservation			Assiniboine Tribes, Fort Peck			Blackfeet Tribe			Chippewa-Cree Indians, Rocky Boy Reservation			Confederated Salish/Kootenai Tribes, Flathead			Crow Tribe			Fort Belknap Indian Community, Assinibone			Fort Belknap Indian Community, Gros Ventre			Northern Cheyenne Tribe			Shoshone Tribe, Wind River Reservation			Sioux Tribes, Fort Peck			Other
#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%			
Ft. Belknap	Ft. Belknap Agency	MT	77	0%	566	2%	234	1%	466	2%	119	0%	334	1%	13,261	47%	11,302	40%	72	0%	1	0%	208	1%	1,873	7%	28,513									
Ft. Belknap	Harlem	MT	59	1%	167	2%	145	2%	158	2%	147	2%	69	1%	1,754	24%	2,910	40%	5	0%	11	0%	68	1%	1,699	24%	7,192									
Ft. Belknap	Hays	MT	30	0%	66	0%	176	1%	108	0%	38	0%	78	1%	3,564	25%	9,067	62%	9	0%	20	0%	0	0%	0	0%	1,337	9%	14,513							
Ft. Belknap	Hays-Rural	MT	18	0%	38	0%	42	0%	56	1%	0	0%	78	1%	970	11%	6,734	79%	2	0%	0	0%	0	0%	614	7%	8,552									
Ft. Belknap	Hogeland	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	27%	3	27%	0	0%	0	0%	0	0%	5	45%	11									
Ft. Belknap	Landusky	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	3%	0	0%	0	0%	0	0%	0	0%	72	97%	74									
Ft. Belknap	Lodge Pole	MT	67	1%	70	1%	12	0%	67	1%	0	0%	48	1%	4,197	64%	1,705	26%	65	1%	0	0%	7	0%	358	5%	6,596									
Ft. Belknap	Malta	MT	0	0%	35	3%	62	5%	147	13%	0	0%	1	0%	122	11%	366	32%	0	0%	0	0%	402	35%	1,135											
Ft. Belknap	Milk River Valley	MT	0	0%	0	0%	0	0%	1	0%	0	0%	6	1%	282	29%	551	57%	3	0%	0	0%	5	1%	112	12%	960									
Ft. Belknap	Saco	MT	0	0%	0	0%	0	0%	0	0%	33	54%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	28	46%	61									
Ft. Belknap	Turner	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%	1									
Ft. Belknap	Whitewater	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	25	19%	6	5%	0	0%	0	0%	2	2%	98	75%	131									
Ft. Belknap	Zortman	MT	0	0%	1	0%	0	0%	0	0%	0	0%	0	0%	65	30%	118	54%	0	0%	0	0%	0	0%	33	15%	217									
Ft. Belknap	Zurich	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	27	77%	1	3%	0	0%	0	0%	0	0%	7	20%	35									
Ft. Peck	Bainville	MT	0	0%	27	37%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	45	62%	1	1%	73									
Ft. Peck	Blair	MT	0	0%	35	28%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	92	72%	0	0%	127											
Ft. Peck	Brockton	MT	6	0%	3,213	42%	33	0%	3	0%	18	0%	10	0%	33	0%	1	0%	0	0%	3,663	48%	592	8%	7,572											
Ft. Peck	Circle	MT	0	0%	3	7%	0	0%	0	0%	0	0%	0	0%	0	0%	23	50%	0	0%	20	43%	46													
Ft. Peck	Culbertson	MT	0	0%	165	29%	0	0%	0	0%	1	0%	2	0%	0	0%	3	1%	0	0%	256	44%	150	26%	577											
Ft. Peck	Dagmar	MT	0	0%	2	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	2%	38	93%	41													
Ft. Peck	Fairview	MT	0	0%	17	85%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	15%	0	0%	20													
Ft. Peck	Flaxville	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	100%	0	0%	3											
Ft. Peck	Fort Kipp	MT	129	4%	1,469	42%	0	0%	35	1%	0	0%	0	0%	0	0%	0	0%	2	0%	0	0%	1,737	50%	91	3%	3,463									
Ft. Peck	Fort Peck	MT	0	0%	7	23%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	23	77%	30											
Ft. Peck	Frazer	MT	0	0%	7,169	80%	1	0%	38	0%	1	0%	22	0%	355	4%	62	1%	37	0%	0	0%	965	11%	303	3%	8,953									
Ft. Peck	Froid	MT	0	0%	319	62%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	161	31%	37	7%	517											
Ft. Peck	Glasgow	MT	0	0%	626	36%	33	2%	3	0%	24	1%	0	0%	76	4%	8	0%	33	2%	0	0%	55	3%	905	51%	1,763									
Ft. Peck	Hinsdale	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	10%	0	0%	0	0%	9	90%	10											
Ft. Peck	Homestead	MT	0	0%	28	72%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	8	21%	3	8%	39											
Ft. Peck	Medicine Lake	MT	0	0%	12	52%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	9	39%	2	9%	23											
Ft. Peck	Nashua	MT	0	0%	353	45%	0	0%	0	0%	0	0%	0	0%	93	12%	0	0%	0	0%	0	0%	38	5%	305	39%	789									
Ft. Peck	Opheim	MT	0	0%	8	73%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	27%	0	0%	11											
Ft. Peck	Oswego	MT	0	0%	1,277	78%	7	0%	0	0%	11	1%	0	0%	0	0%	0	0%	0	0%	237	15%	99	6%	1,631											
Ft. Peck	Plentywood	MT	0	0%	62	48%	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	17	13%	49	38%	129											
Ft. Peck	Poplar	MT	98	0%	27,837	45%	95	0%	158	0%	6	0%	243	0%	300	0%	181	0%	476	1%	4	0%	27,749	45%	5,034	8%	62,181									
Ft. Peck	Reserve	MT	0	0%	59	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	119	67%	0	0%	178											
Ft. Peck	Richland	MT	0	0%	6	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	6											
Ft. Peck	Riverside	MT	0	0%	99	40%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	124	50%	23	9%	246											
Ft. Peck	Savage	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%	1									
Ft. Peck	Scobey	MT	0	0%	38	50%	0	0%	0	0%	0	0%	0	0%	0	0%	2	3%	0	0%	0	0%	0	0%	36	47%	76									
Ft. Peck	Sidney	MT	0	0%	27	64%	0	0%	0	0%	0	0%	3	7%	0	0%	0	0%	0	0%	0	0%	0	0%	12	29%	42									
Ft. Peck	Westby	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%	1									
Ft. Peck	Wicta	MT	0	0%	33	73%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	12	27%	0	0%	45											
Ft. Peck	Wolf Point	MT	163	0%	29,501	57%	239	0%	140	0%	18	0%	246	0%	1,169	2%	502	1%	237	0%	37	0%	8,968	17%	10,838	21%	52,058									
N. Cheyenne	Ashland	MT	65	1%	66	1%	66	1%	19	0%	0	0%	451	4%	1	0%	29	0%	8,270	66%	46	0%	124	1%	3,362	27%	12,499									
N. Cheyenne	Birney	MT	106	7%	0	0%	0	0%	0	0%	0	0%	37	2%	0	0%	0	0%	1,237	76%	6	0%	0	0%	242	15%	1,628									
N. Cheyenne	Busby	MT	67	0%	53	0%	39	0%	62	0%	150	1%	471	3%	8	0%	3	0%	12,282	77%	18	0%	41	0%	2,732	17%	15,926									
N. Cheyenne	Colstrip	MT	0	0%	31	2%	19	1%	3	0%	0	0%	132	8%	0	0%	0	0%	1,094	64%	5	0%	0	0%	414	24%	1,698									
N. Cheyenne	Ekalaka	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	56	100%	56									
N. Cheyenne	Forsyth	MT	11	5%	3	1%	0	0%	0	0%	0	0%	53	24%	0	0%	1	0%	40	18%	0	0%	0	0%	109	50%	217									
N. Cheyenne	Kirby	MT	0	0%	0	0%	0	0%	0	0%	0	0%	2	1%	0	0%	0	0%	134	64%	0	0%	36	17%	37	18%	209									
N. Cheyenne	Lame Deer	MT	505	1%	498																															



## Provider Visits By Tribal Registration 1999-2001

Service Unit	Community Name	State	Number and Percentage of Primary Care, Specialty Care and Urgent Care Visits																		Total															
			Arapaho Tribe, Wind River Reservation			Assiniboine Tribes, Fort Peck			Blackfeet Tribe			Chippewa-Cree Indians, Rocky Boy Reservation			Confederated Salish/Kootenai Tribes, Flathead			Crow Tribe			Fort Belknap Indian Community, Assinibone			Fort Belknap Indian Community, Gros Ventre			Northern Cheyenne Tribe			Shoshone Tribe, Wind River Reservation			Sioux Tribes, Fort Peck			Other
#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%			
Non-Service Unit	Fairfield	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5	100%	5							
Non-Service Unit	Fallon	MT	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1							
Non-Service Unit	Florence	MT	0	0%	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	17%	0	0%	0	0%	4	67%	6							
Non-Service Unit	Gillette	WY	2	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	24	36%	3	4%	0	0%	38	57%	67									
Non-Service Unit	Glendive	MT	0	0%	2	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	3%	34	92%	37											
Non-Service Unit	Great Falls	MT	3	0%	113	4%	1,015	39%	589	23%	15	1%	2	0%	54	2%	85	3%	9	0%	5	0%	10	0%	694	27%	2,594									
Non-Service Unit	Green River	WY	13	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	9	14%	0	0%	43	66%	65											
Non-Service Unit	Hamilton	MT	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	36	97%	37											
Non-Service Unit	Helena	MT	0	0%	5	2%	69	34%	25	12%	7	3%	30	15%	3	1%	12	6%	5	2%	0	0%	2	1%	43	21%	201									
Non-Service Unit	Kaycee	WY	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5	100%	5											
Non-Service Unit	Larby	MT	0	0%	3	5%	37	64%	0	0%	2	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	16	28%	58									
Non-Service Unit	Livingston	MT	0	0%	0	0%	2	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	7%	55	90%	61											
Non-Service Unit	Miles City	MT	0	0%	30	32%	0	0%	0	0%	0	0%	0	0%	9	10%	1	1%	11	12%	0	0%	9	10%	33	35%	93									
Non-Service Unit	Montana UNK	MT	0	0%	3	1%	16	6%	18	7%	0	0%	15	6%	0	0%	1	0%	9	4%	0	0%	0	0%	194	76%	256									
Non-Service Unit	Newcastle	WY	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0									
Non-Service Unit	Pendroy	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%	1									
Non-Service Unit	Rawlins	WY	17	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	20	15%	0	0%	95	72%	132											
Non-Service Unit	Rexford	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%	2											
Non-Service Unit	Rock Springs	WY	6	7%	0	0%	5	6%	3	3%	0	0%	0	0%	0	0%	0	0%	11	13%	0	0%	61	71%	86											
Non-Service Unit	Shelby	MT	0	0%	3	2%	90	52%	26	15%	2	1%	0	0%	0	0%	2	1%	0	0%	0	0%	0	0%	50	29%	173									
Non-Service Unit	St. Regis	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	7	100%	0	0%	0	0%	0	0%	0	0%	7									
Non-Service Unit	Stevensville	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	13	100%	13									
Non-Service Unit	Sunburst	MT	0	0%	0	0%	4	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4									
Non-Service Unit	Superior	MT	0	0%	0	0%	0	0%	0	0%	1	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	17	94%	18									
Non-Service Unit	Superior	WY	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%	2							
Non-Service Unit	Sweet Grass	MT	10	48%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	11	52%	21									
Non-Service Unit	Terry	MT	0	0%	2	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	18	90%	20							
Non-Service Unit	Troy	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	9	100%	9									
Non-Service Unit	Worland	WY	16	12%	0	0%	0	0%	0	0%	7	5%	0	0%	0	0%	0	0%	10	7%	0	0%	103	76%	136											
Non-Service Unit	Wyoming UNK	WY	6	6%	0	0%	7	6%	0	0%	0	0%	8	7%	1	1%	0	0%	9	8%	0	0%	0	0%	77	71%	108									
Rocky Boy Tribal	Azule	MT	19	1%	19	1%	3	0%	1,076	81%	3	0%	13	1%	3	0%	16	1%	6	0%	0	0%	0	0%	177	13%	1,335									
Rocky Boy Tribal	Big Sandy	MT	0	0%	0	0%	19	11%	88	52%	7	4%	0	0%	0	0%	9	5%	0	0%	0	0%	47	28%	170											
Rocky Boy Tribal	Box Elder	MT	38	0%	29	0%	124	1%	8,563	80%	4	0%	220	2%	197	2%	180	2%	74	1%	0	0%	7	0%	1,310	12%	10,746									
Rocky Boy Tribal	Chester	MT	0	0%	0	0%	1	9%	6	55%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	36%	11									
Rocky Boy Tribal	Duck Creek	MT	12	0%	21	1%	136	5%	2,230	75%	50	2%	4	0%	60	2%	49	2%	5	0%	70	2%	0	0%	350	12%	2,987									
Rocky Boy Tribal	Fort Benton	MT	0	0%	0	0%	24	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	24									
Rocky Boy Tribal	Havre	MT	9	0%	123	2%	277	5%	1,914	33%	57	1%	49	1%	476	8%	993	17%	66	1%	0	0%	67	1%	1,746	30%	5,777									
Rocky Boy Tribal	Joplin	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%	2									
Rocky Boy Tribal	Kremlin	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	32	100%	32									
Rocky Boy Tribal	Newtown	MT	0	0%	0	0%	0	0%	4	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4									
Rocky Boy Tribal	North Haystack	MT	33	1%	30	1%	41	1%	4,492	81%	6	0%	41	1%	203	4%	66	1%	33	1%	0	0%	0	0%	618	11%	5,563									
Rocky Boy Tribal	North Parker School	MT	13	0%	28	1%	5	0%	2,851	81%	0	0%	67	2%	1	0%	9	0%	0	0%	16	0%	0	0%	530	15%	3,520									
Rocky Boy Tribal	Parker Can R	MT	3	0%	6	1%	3	0%	947	90%	0	0%	0	0%	8	1%	11	1%	0	0%	0	0%	71	7%	1,049											
Rocky Boy Tribal	Prairie View	MT	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0									
Rocky Boy Tribal	Rocky Boy Agency	MT	5	0%	97	3%	38	1%	2,928	79%	3	0%	7	0%	42	1%	13	0%	15	0%	0	0%	0	0%	562	15%	3,710									
Rocky Boy Tribal	Rudyard	MT	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	1	33%	3											
Rocky Boy Tribal	Sangrey	MT	12	0%	51	1%	105	1%	6,867	82%	1	0%	149	2%	104	1%	217	3%	90	1%	0	0%	0	0%	784	9%	8,880									
Rocky Boy Tribal	Wild Rose	MT	0	0%	0	0%	0	0%	4	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4											
Wind River	Arapahoe	WY	22,506	89%	15	0%	25	0%	2	0%	13	0%	73	0%	0	0%	101	0%	254	1%	540	2%	0	0%	1,697	7%	25,226									
Wind River	Bondurant	WY	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	11	100%	0	0%	0	0%	11									
Wind River	Boulder Flat	WY	1,443	41%	0	0%	0	0%	19	1%	0	0%	0	0%	0	0%	4	0%	39	1%	1,729	49%	0	0%	268	8%	3,502									
Wind River	Burns	WY	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	74	88%	0	0%	10	12%	84											
Wind River	Crowheart	WY	401	20%	0	0%	0	0%	120	6%	0	0%																								



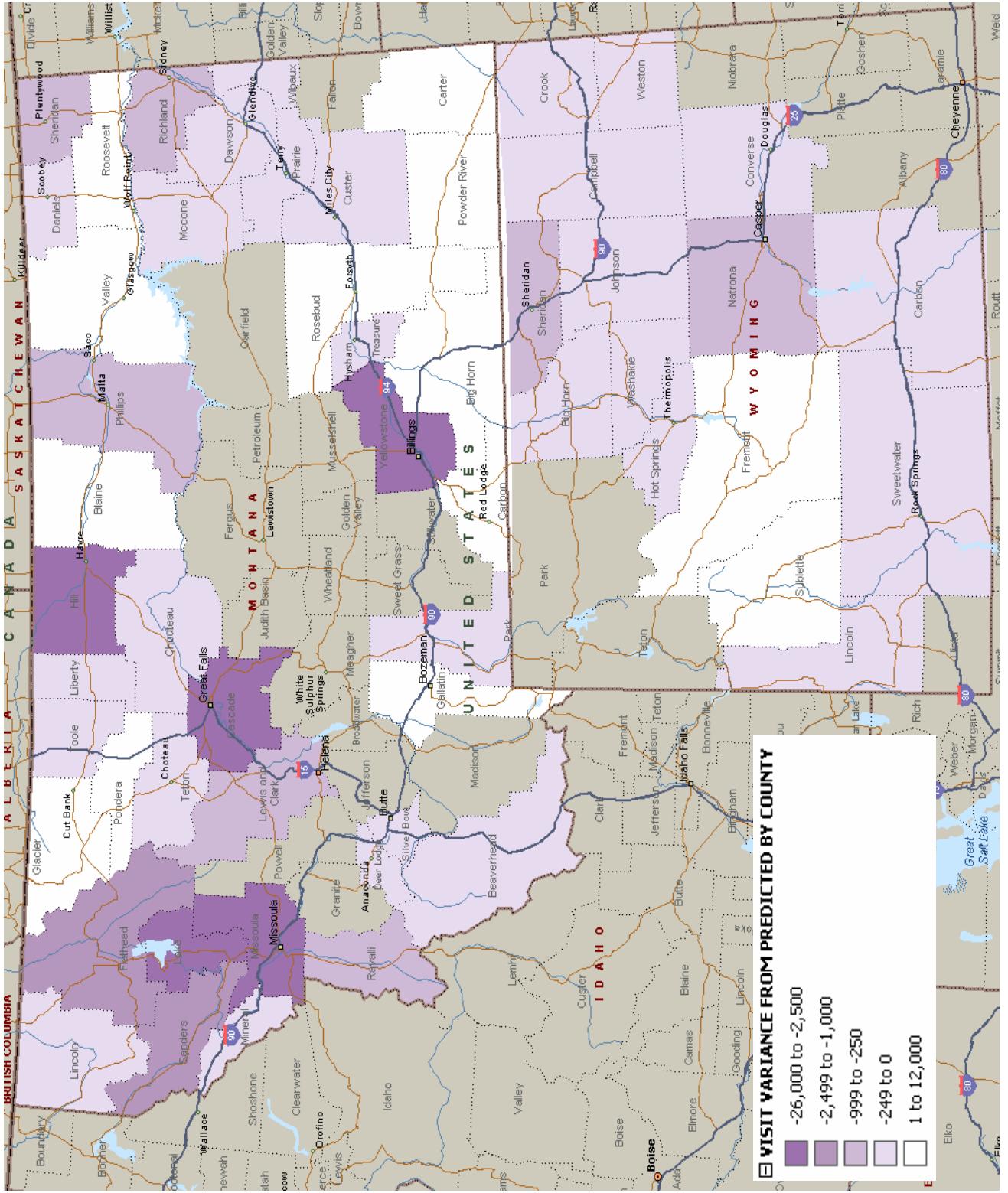
# Appendix C



**IHS/Tribes/Urban**  
Montana/Wyoming

The Billings Area Health Services Master Plan  
**Visit Variance From Predicted by County**

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actual vs needed provider visits.xls - Visit Variance Map  
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## FY 2000 Provider Visits by Community - HSP vs. Actual

Community	HSP					Diff. APC-HSP	Workload % below projected	APC & CHS			
	User Pop.	PC WL	SC WL	ER WL	TOT WL			Avg WL	WL 2001	WL 2000	WL 1999
AFTON	18	70	1	9	80	-49	-62%	31	19	31	42
ALBERTON	11	33	0	4	37	-36	-97%	1	0	1	2
ALZADA	0	0	0	0	0	0	0%	0	0	0	0
ANACONDA	36	158	10	19	187	-184	-98%	3	7	3	0
ARAPAHOE	1910	6240	294	782	7316	1,156	16%	8,472	8,220	8,796	8,401
ARLEE	1100	3776	190	476	4442	-3,407	-77%	1,035	160	184	2,761
ASHLAND	1095	3598	170	451	4219	-29	-1%	4,190	4,938	4,139	3,494
AUGUSTA	4	15	1	2	18	-9	-48%	9	8	10	10
AZURE	1	2	0	0	2	448	22400%	450	404	480	466
BABB	350	1208	62	152	1422	-355	-25%	1,067	1,077	1,073	1,052
BADGER	8	32	1	4	37	-7	-19%	30	19	36	35
BAINVILLE	35	133	8	17	158	-134	-85%	24	13	15	45
BALLANTINE	0	0	0	0	0	0	0%	0	0	0	0
BEAVER CREEK	42	158	8	21	187	109	58%	296	306	270	313
BIG ARM	33	135	7	18	160	-106	-66%	54	32	32	98
BIG FORK	31	110	5	15	130	-119	-92%	11	12	9	11
BIG HORN	7	25	1	3	29	-5	-18%	24	23	29	19
BIG PINY	0	0	0	0	0	0	0%	0	0	0	0
BIG SANDY	0	0	0	0	0	0	0%	0	0	0	0
BIG SANDY	43	143	8	17	168	-111	-66%	57	62	54	55
BIG SANDY CREEK ROAD	0	0	0	0	0	0	0%	0	0	0	0
BILLINGS	2360	8268	411	1041	9720	-5,494	-57%	4,226	4,255	4,424	3,998
BIRNEY	121	409	20	52	481	65	14%	546	664	523	451
BLACK EAGLE	21	92	4	12	108	-80	-74%	28	32	18	35
BLACK LODGE	14	38	1	4	43	-32	-75%	11	15	8	9
BLACKFOOT	9	36	1	6	43	-25	-59%	18	23	19	11
BLAIR	8	33	0	5	38	7	18%	45	47	42	46
BONDURANT	0	0	0	0	0	4	0%	4	3	4	4
BONNEAUVILLE	0	0	0	0	0	1	0%	1	2	0	0
BONNEAUVILLE MODULARS	0	0	0	0	0	0	0%	0	0	0	0
BONNER	4	19	1	2	22	-19	-86%	3	0	0	9
BONNEVILLE	0	0	0	0	0	0	0%	0	0	0	0
BOULDER FLAT	207	761	39	95	895	284	32%	1,179	1,088	1,281	1,167
BOX ELDER	837	2757	126	347	3230	380	12%	3,610	3,574	3,452	3,805
BOZEMAN	0	0	0	0	0	51	0%	51	47	52	55
BRADY	2	6	0	1	7	-5	-76%	2	0	2	3
BROADUS	0	0	0	0	0	15	0%	15	19	19	8
BROCKTON	482	1599	80	200	1879	710	38%	2,589	2,630	2,660	2,478
BROWNING	9714	32747	1614	4121	38482	3,341	9%	41,823	42,764	41,669	41,036
BUFFALO	12	46	1	7	54	-37	-69%	17	21	9	20
BURRIS	6	28	1	4	33	-5	-15%	28	15	51	18
BUSBY	1135	3809	185	480	4474	859	19%	5,333	5,828	5,375	4,797
BUTTE	29	127	5	15	147	-124	-84%	23	26	25	19
CAMAS	3	13	1	1	15	-9	-60%	6	3	1	14
CANYON FERRY	0	0	0	0	0	0	0%	0	0	0	0
CAPITOL	0	0	0	0	0	0	0%	0	0	0	0
CASCADE	31	136	8	17	161	-153	-95%	8	8	6	11
CASPER	136	507	24	63	594	-373	-63%	221	271	231	160
CENT RESERVA	0	0	0	0	0	0	0%	0	0	0	0
CHARLO	219	700	33	87	820	-578	-70%	242	42	36	648
CHELSEA	0	0	0	0	0	0	0%	0	0	0	0
CHESTER	4	8	0	0	8	-4	-54%	4	9	1	1





## FY 2000 Provider Visits by Community - HSP vs. Actual

Community	HSP					Diff. APC-HSP	Workload % below projected	APC & CHS			
	User Pop.	PC WL	SC WL	ER WL	TOT WL			Avg WL	WL 2001	WL 2000	WL 1999
CHINOOK	150	503	26	64	593	-29	-5%	564	646	542	505
CHOTEAU	27	117	6	14	137	-93	-68%	44	58	35	40
CIRCLE	5	17	0	2	19	-4	-19%	15	12	17	17
CLARISE PAUL	0	0	0	0	0	0	0%	0	0	0	0
CLINTON	9	35	1	3	39	-36	-93%	3	0	2	6
COLSTRIP	149	493	22	61	576	-7	-1%	569	653	600	453
COLUMBIA FAL	82	283	14	33	330	-263	-80%	67	56	63	81
CONRAD	34	129	4	16	149	-53	-36%	96	76	93	119
CORA	0	0	0	0	0	0	0%	0	0	0	0
CORVALLIS	5	14	0	1	15	-14	-96%	1	2	0	0
COUNTRY VIEW	0	0	0	0	0	0	0%	0	0	0	0
COURCHENE SP	0	0	0	0	0	0	0%	0	0	0	0
CRANE	0	0	0	0	0	0	0%	0	0	0	0
CROW AGENCY	3650	12295	584	1545	14424	4,543	31%	18,967	19,352	18,731	18,817
CROWHEART	166	549	28	70	647	46	7%	693	708	716	656
CULBERTSON	102	326	16	41	383	-189	-49%	194	215	205	162
CUT BANK	847	2979	147	375	3501	-1,489	-43%	2,012	2,096	1,925	2,014
DAGMAR	29	93	4	12	109	-95	-87%	14	10	16	16
DANIEL	0	0	0	0	0	0	0%	0	0	0	0
DARBY	2	12	0	2	14	-13	-90%	1	2	0	2
DAYTON	38	129	7	16	152	-89	-59%	63	58	45	85
DENTON	1	2	0	0	2	-2	-100%	0	0	0	0
DILLON	0	0	0	0	0	1	0%	1	0	0	2
DIXON	217	723	34	91	848	-732	-86%	116	37	43	267
DODSON	166	593	29	74	696	-132	-19%	564	636	533	523
DOUGLAS	7	24	0	2	26	-25	-96%	1	3	0	0
DRY CREEK RA	0	0	0	0	0	0	0%	0	0	0	0
DUBOIS	25	99	4	13	116	-52	-45%	64	46	71	74
DUCK CREEK	246	819	41	102	962	43	5%	1,005	926	991	1,099
DUPUYER	15	55	3	7	65	29	45%	94	107	82	94
DUTTON	0	0	0	0	0	0	0%	0	0	1	0
EAGLEMAN	0	0	0	0	0	0	0%	0	0	0	0
EAST AGENCY AREA	0	0	0	0	0	0	0%	0	0	0	0
EAST GLACIER	429	1476	74	186	1736	-690	-40%	1,046	1,135	1,010	993
EAST HELENA	3	12	0	1	13	-13	-97%	0	0	0	1
EAST LOWER ROAD AREA	0	0	0	0	0	0	0%	0	1	0	0
EDGAR	2	8	0	0	8	4	46%	12	17	10	8
EKALAKA	2	7	0	1	8	11	133%	19	17	24	15
ELMO	191	681	34	86	801	-424	-53%	377	272	285	574
ETHETE	2110	6931	333	870	8134	487	6%	8,621	8,684	8,643	8,536
EUREKA	15	44	2	4	50	-48	-95%	2	1	3	3
EVARO	30	103	3	13	119	-97	-82%	22	5	1	59
FAIRFIELD	5	13	0	1	14	-12	-88%	2	0	1	4
FAIRVIEW	16	60	1	7	68	-61	-90%	7	16	3	1
FALLON	0	0	0	0	0	0	0%	0	0	0	1
FLAXVILLE	0	0	0	0	0	1	0%	1	0	3	0
FLORENCE	13	57	4	6	67	-65	-97%	2	3	2	1
FORSYTH	29	108	4	13	125	-52	-42%	73	94	82	43
FORT BENTON	3	8	0	0	8	0	0%	8	0	16	8
FORT KIPP	245	829	39	103	971	214	22%	1,185	1,266	1,179	1,110
FORT PECK	6	20	1	2	23	-13	-57%	10	5	13	12
FRAZER	557	1820	86	227	2133	906	42%	3,039	3,333	2,902	2,881



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Community	HSP					Diff. APC-HSP	Workload % below projected	APC & CHS			
	User Pop.	PC WL	SC WL	ER WL	TOT WL			Avg WL	WL 2001	WL 2000	WL 1999
FRENCHTOWN	13	52	1	7	60	-57	-95%	3	3	1	5
FROID	55	206	11	26	243	-69	-28%	174	166	192	164
FT WASHAKIE	2392	7947	380	997	9324	390	4%	9,714	9,474	9,848	9,820
FT. BELKNAP AGENCY	2316	7654	365	963	8982	641	7%	9,623	10,058	9,819	8,991
GARRYOWEN	194	685	33	86	804	317	39%	1,121	1,058	1,149	1,155
GEBO	1	4	0	1	5	-5	-100%	0	0	0	0
GILDFORD	0	0	0	0	0	0	0%	0	0	0	0
GILLETTE	9	35	0	4	39	-16	-42%	23	15	22	31
GLASGOW	168	650	35	82	767	-176	-23%	591	564	624	584
GLENDIVE	4	17	1	3	21	-9	-41%	12	27	9	1
GRASS CREEK	0	0	0	0	0	0	0%	0	0	0	0
GREAT FALLS	1087	4056	221	512	4789	-3,916	-82%	873	917	853	848
GREEN RIVER	15	53	1	5	59	-37	-63%	22	25	28	12
HAMILTON	12	51	3	6	60	-47	-78%	13	12	12	15
HAMILTON DOM	1	4	0	0	4	-3	-83%	1	2	0	0
HAMMOND	0	0	0	0	0	0	0%	0	0	0	0
HARDIN	1378	4669	217	587	5473	-357	-7%	5,116	5,003	5,146	5,200
HARLEM	703	2404	121	303	2828	-417	-15%	2,411	2,707	2,482	2,045
HAVRE	1034	3482	164	438	4084	-2,146	-53%	1,938	1,853	1,778	2,183
HAYS	755	2454	112	309	2875	1,998	70%	4,873	4,957	4,549	5,114
HAYS-RURAL	622	2059	103	258	2420	471	19%	2,891	2,953	2,647	3,074
HAYSTACK LOGS	0	0	0	0	0	0	0%	0	0	0	0
HEART BUTTE	949	3201	160	402	3763	747	20%	4,510	4,681	4,392	4,457
HELENA	183	692	41	87	820	-753	-92%	67	79	68	54
HERON	2	8	0	1	9	-8	-93%	1	0	2	0
HINGHAM	2	6	0	0	6	-6	-100%	0	0	0	0
HINSDALE	4	19	0	3	22	-19	-85%	3	2	2	6
HOGELAND	0	0	0	0	0	4	0%	4	4	6	1
HOMESTEAD	18	76	2	10	88	-75	-85%	13	13	11	16
HOT SPRING	237	838	45	105	988	-833	-84%	155	33	39	393
HOULE VILLE	0	0	0	0	0	0	0%	0	0	0	0
HUDSON	29	104	4	12	120	-15	-13%	105	140	108	67
HUNGRY HORSE	14	57	2	5	64	-54	-84%	10	11	5	15
HYSHAM	15	50	0	5	55	-28	-50%	27	23	28	31
INVERNESS	2	8	0	1	9	-9	-100%	0	0	0	0
JOPLIN	12	43	1	5	49	-48	-99%	1	0	2	0
KALISPELL	299	1089	56	136	1281	-990	-77%	291	270	293	309
KAYCEE	3	8	0	1	9	-7	-81%	2	4	0	1
KINNEAR	256	855	43	107	1005	144	14%	1,149	1,053	1,300	1,095
KIRBY	0	0	0	0	0	0	0%	0	0	0	0
KIRBY	11	46	3	6	55	15	27%	70	63	84	63
KREMLIN	7	28	0	4	32	-21	-67%	11	13	10	9
LAMBERT	0	0	0	0	0	0	0%	0	0	0	0
LAME DEER	4647	15305	724	1922	17951	7,151	40%	25,102	27,715	24,886	22,704
LANDER	731	2456	116	309	2881	-377	-13%	2,504	2,494	2,475	2,543
LANDUSKY	4	12	0	1	13	12	92%	25	23	22	30
LAREDO	0	0	0	0	0	0	0%	0	0	0	0
LAUREL	71	250	13	30	293	-198	-68%	95	124	90	70
LIBBY	39	139	8	18	165	-146	-88%	19	8	26	24
LIVINGSTON	5	20	1	2	23	-3	-12%	20	27	14	20
LOGE GRASS	2320	7645	372	961	8978	663	7%	9,641	9,110	9,516	10,297
LOGE POLE	376	1289	66	162	1517	699	46%	2,216	2,272	2,115	2,262

**FY 2000 Provider Visits by Community - HSP vs. Actual**

Community	HSP					Diff. APC-HSP	Workload % below projected	APC & CHS			
	User Pop.	PC WL	SC WL	ER WL	TOT WL			Avg WL	WL 2001	WL 2000	WL 1999
LOGAN	0	0	0	0	0	0	0%	0	0	0	0
LOLO	28	99	5	12	116	-112	-97%	4	0	0	11
LOVELL	12	42	2	5	49	-42	-85%	7	19	1	2
LOWER SANGREY/BUTTERCUP	0	0	0	0	0	0	0%	0	1	0	0
MACON	0	0	0	0	0	0	0%	0	0	0	0
MALTA	159	559	29	70	658	-276	-42%	382	424	402	320
MARBLETON	0	0	0	0	0	0	0%	0	0	0	0
MCCABE	0	0	0	0	0	0	0%	0	0	0	0
MEDICINE LAK	47	179	9	22	210	-202	-96%	8	11	6	7
MERNA	0	0	0	0	0	0	0%	0	0	0	0
MILES CITY	47	173	6	22	201	-170	-85%	31	35	21	37
MILK RIVER V	133	455	24	57	536	-213	-40%	323	310	348	312
MILLTOWN	2	10	0	1	11	-11	-97%	0	0	1	0
MISSION DAM	2	6	0	1	7	1	10%	8	0	2	21
MISSOULA	919	3184	162	400	3746	-3,296	-88%	450	320	226	804
MONTANA UNK	0	0	0	0	0	86	0%	86	91	53	114
MONTANA UNK	0	0	0	0	0	0	0%	0	0	0	0
MONTANA UNK	0	0	0	0	0	0	0%	0	0	0	0
MOORCROFT	0	0	0	0	0	0	0%	0	0	0	0
MORTON	19	64	3	9	76	-46	-60%	30	26	29	36
MUDY CLUSTER	36	133	4	17	154	200	130%	354	426	330	307
NASHUA	56	202	9	27	238	28	12%	266	304	259	235
NEWCASTLE	3	0	0	1	1	-1	-100%	0	0	0	0
NEWTOWN	1	6	0	1	7	-6	-81%	1	0	0	4
NIARADA	31	118	6	12	136	-120	-88%	16	4	2	43
NORTH FORK	102	420	25	54	499	-44	-9%	455	403	482	480
NORTH HAYSTACK	752	2429	112	305	2846	-976	-34%	1,870	1,824	1,867	1,919
NORTH PARKER SCHOOL	346	1096	51	137	1284	-106	-8%	1,178	1,205	1,086	1,242
NORTH SANGREY	0	0	0	0	0	0	0%	0	0	0	0
NOXON	1	6	0	1	7	-6	-86%	1	1	1	1
OGDEN	0	0	0	0	0	0	0%	0	0	0	0
OPHEIM	5	19	1	2	22	-18	-83%	4	0	6	5
OSWEGO	76	258	16	34	308	246	80%	554	618	527	516
OUTLOOK	6	20	0	3	23	-23	-100%	0	0	0	0
PABLO	958	3211	154	404	3769	-2,951	-78%	818	262	309	1,884
PARADISE	0	0	0	0	0	0	0%	0	0	0	0
PARKER CAN R	114	370	18	46	434	-82	-19%	352	343	333	380
PAVILLION	66	240	14	30	284	-49	-17%	235	211	255	239
PENDROY	1	2	6	0	8	-8	-96%	0	0	0	1
PERMA	10	39	1	4	44	-40	-91%	4	0	1	11
PINEDALE	1	2	0	0	2	-2	-100%	0	0	0	0
PLAINS	72	257	14	32	303	-265	-88%	38	4	10	99
PLENTYWOOD	63	234	12	29	275	-231	-84%	44	44	52	36
POLSON	1393	4663	233	587	5483	-4,467	-81%	1,016	247	264	2,536
POLSON-RURAL	241	832	40	104	976	-679	-70%	297	94	101	696
POPLAR	4072	13422	638	1687	15747	5,468	35%	21,215	22,198	21,461	19,986
POST PLANT ROAD	0	0	0	0	0	0	0%	0	1	0	0
PRAIRIE VIEW	0	0	0	0	0	0	0%	0	1	0	0
PRYOR	1109	3776	187	476	4439	272	6%	4,711	4,833	4,799	4,500
RAVALLI	24	85	3	11	99	-71	-72%	28	3	3	77
RAWLINS	28	109	0	14	123	-79	-64%	44	58	53	21
RAYMOND	0	0	0	0	0	0	0%	0	0	0	0



## FY 2000 Provider Visits by Community - HSP vs. Actual

Community	HSP					Diff. APC-HSP	Workload % below projected	APC & CHS			
	User Pop.	PC WL	SC WL	ER WL	TOT WL			Avg WL	WL 2001	WL 2000	WL 1999
REDSTONE	2	9	0	1	10	-10	-100%	0	0	0	0
RESERVE	9	36	1	5	42	18	44%	60	73	66	42
REXFORD	1	6	0	1	7	-5	-76%	2	0	1	4
RICHEY	0	0	0	0	0	0	0%	0	0	0	0
RICHLAND	1	4	0	1	5	-3	-60%	2	0	0	6
RIDGE	0	0	0	0	0	0	0%	0	0	0	0
RIVERSIDE	16	52	1	5	58	27	47%	85	84	88	84
RIVERTON	1853	6078	283	763	7124	-82	-1%	7,042	7,334	7,435	6,357
ROBERTS	0	0	0	0	0	2	0%	2	6	0	0
ROCK SPRINGS	25	93	3	11	107	-78	-73%	29	30	20	37
ROCKY BOY AGENCY	370	1276	65	163	1504	-257	-17%	1,247	1,262	1,125	1,354
RONAN	1936	6394	312	804	7510	-6,222	-83%	1,288	349	423	3,092
RONAN-RURAL	664	2095	92	263	2450	-2,023	-83%	427	51	105	1,125
ROSEBUD	33	113	4	14	131	-39	-30%	92	59	115	101
RUDYARD	1	4	0	0	4	-3	-75%	1	0	3	0
SACO	7	21	0	2	23	-3	-12%	20	14	27	20
SANGREY	756	2498	119	314	2931	-110	-4%	2,821	2,865	2,758	2,841
SANTA RITA	4	11	0	1	12	-3	-25%	9	10	5	12
SAVAGE	14	50	0	6	56	-56	-99%	0	0	1	0
SAVOY	1	2	0	0	2	-2	-100%	0	0	0	0
SCHLEY HOMES	0	0	0	0	0	0	0%	0	0	0	0
SCOBAY	16	67	2	8	77	-52	-67%	25	30	40	6
SEELEY LAKE	7	27	0	4	31	-31	-99%	0	1	0	0
SEVILLE	0	0	0	0	0	0	0%	0	0	0	0
SHELBY	35	109	6	13	128	-70	-54%	58	57	58	60
SHERIDAN	171	601	32	76	709	-363	-51%	346	341	344	353
SHOSHONI	25	90	5	10	105	-25	-24%	80	72	77	90
SIDNEY	202	663	30	83	776	-762	-98%	14	28	11	3
SOUTH FORK	70	268	15	34	317	85	27%	402	363	414	429
SOUTH HAYSTACK	0	0	0	0	0	1	0%	1	2	0	0
SOUTH PARKER SCHOOL	0	0	0	0	0	0	0%	0	0	0	0
SOUTH SANGREY	0	0	0	0	0	0	0%	0	0	0	0
ST IGNATIUS	1420	4767	233	601	5601	-4,088	-73%	1,513	243	377	3,920
ST MARY	32	106	4	15	125	-117	-94%	8	8	10	6
ST PIERRE ROAD	0	0	0	0	0	0	0%	0	0	0	0
ST REGIS	3	6	0	1	7	-5	-67%	2	4	3	0
ST STEPHENS	270	842	39	104	985	-6	-1%	979	1,022	1,007	908
ST XAVIER	205	679	35	86	800	-92	-12%	708	679	655	789
STARR SCHOOL	75	282	16	37	335	176	52%	511	508	462	562
STEVENSVILLE	27	107	3	14	124	-120	-97%	4	7	5	1
SUNBURST	0	0	0	0	0	1	0%	1	0	4	0
SUNDANCE	3	10	0	1	11	-11	-100%	0	0	0	0
SUNNYVILLE	0	0	0	0	0	0	0%	0	1	0	0
SUPERIOR	20	69	3	7	79	-73	-92%	6	3	6	9
SUPERIOR	0	0	0	0	0	1	0%	1	0	1	1
SWAN LAKE	0	0	0	0	0	0	0%	0	0	0	0
SWEET GRASS	3	7	0	1	8	-1	-13%	7	10	6	5
TERRY	2	11	1	1	13	-6	-49%	7	7	7	6
THERMOPOLIS	54	181	9	21	211	-80	-38%	131	159	126	108
THOMPSON FAL	10	37	0	4	41	-39	-96%	2	0	1	4
TROUT CREEK	3	14	0	2	16	-15	-92%	1	0	2	2
TROY	12	38	1	3	42	-39	-93%	3	4	0	5

**FY 2000 Provider Visits by Community - HSP vs. Actual**

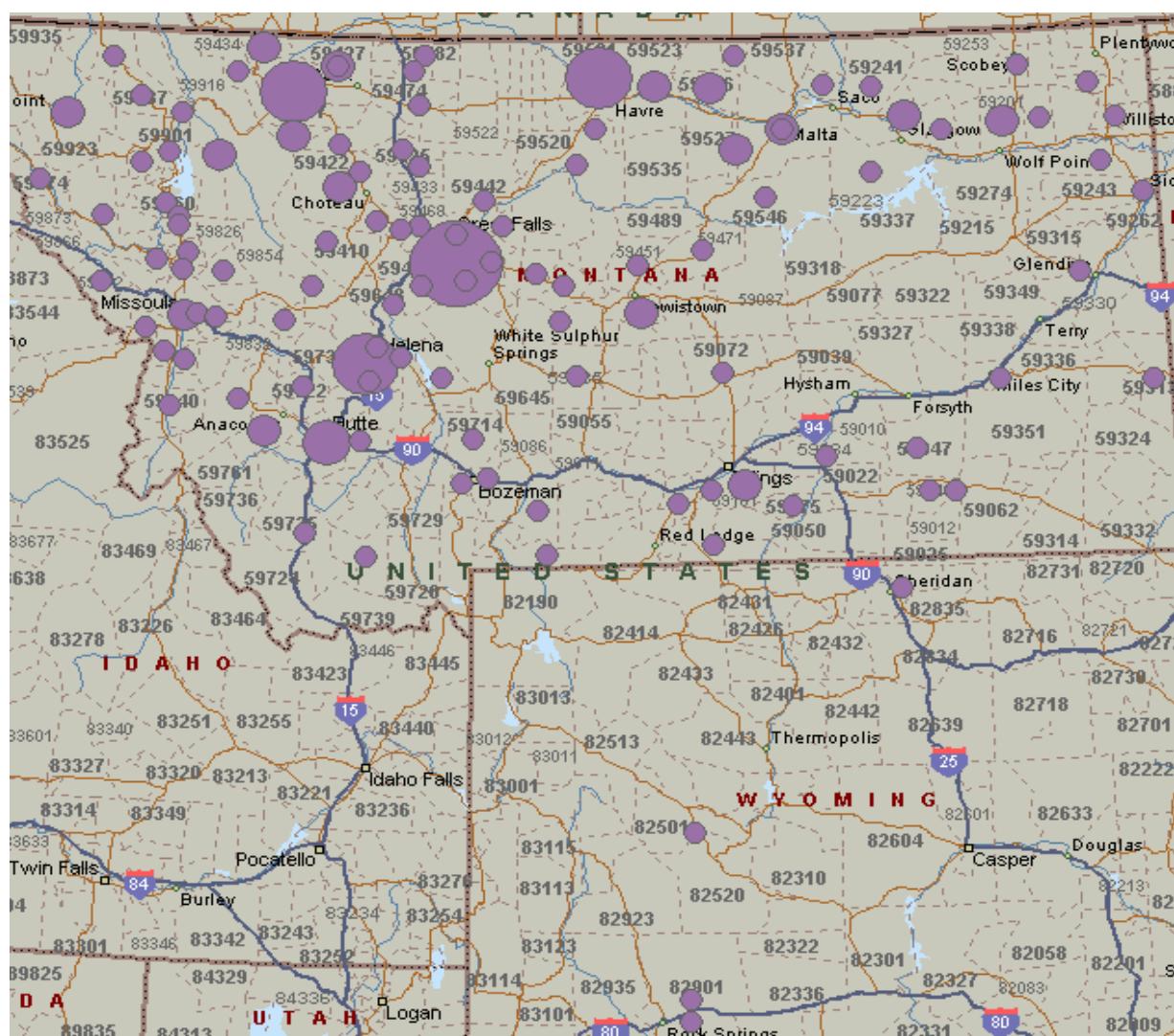
Community	HSP					Diff. APC-HSP	Workload % below projected	APC & CHS			
	User Pop.	PC WL	SC WL	ER WL	TOT WL			AVG WL	WL 2001	WL 2000	WL 1999
TURNER	14	55	2	7	64	-64	-99%	0	0	0	1
TURTLE LAKE	12	41	2	6	49	-49	-100%	0	0	0	0
UP TWO MEDIC	0	0	0	0	0	0	0%	0	0	0	0
UPPER AZURE	0	0	0	0	0	0	0%	0	0	0	0
UPPER SANGREY/BUTTERCUP	0	0	0	0	0	0	0%	0	1	0	0
VALIER	86	308	13	38	359	-105	-29%	254	281	254	228
WAGNER	6	17	0	2	19	-19	-100%	0	0	0	0
WEST GLACIER	5	19	1	1	21	-15	-71%	6	4	4	10
WEST LOWER ROAD AREA	0	0	0	0	0	0	0%	0	0	0	0
WESTBY	6	19	0	3	22	-22	-98%	0	0	1	0
WHITEFISH	37	140	7	17	164	-130	-79%	34	35	24	43
WHITEWATER	12	46	2	4	52	-7	-13%	45	44	53	38
WIBAUX	0	0	0	0	0	0	0%	0	0	0	0
WILD ROSE	0	0	0	0	0	1	0%	1	0	4	0
WIND RIVER	5	19	0	3	22	-22	-98%	0	1	0	0
WIOTA	2	11	0	2	13	3	21%	16	15	22	10
WOLF POINT	3385	11286	535	1417	13238	4,463	34%	17,701	19,513	17,927	15,664
WOODCOCK	0	0	0	0	0	0	0%	0	0	0	0
WORLAND	22	74	3	9	86	-41	-47%	45	39	47	50
WYOLA	481	1575	78	198	1851	-509	-27%	1,342	1,366	1,292	1,368
WYOMING UNK	0	0	0	0	0	36	0%	36	40	26	42
WYOMING UNK	0	0	0	0	0	0	0%	0	0	0	0
WYOMING UNK	0	0	0	0	0	0	0%	0	0	0	0
YELLOWTAIL	137	468	21	58	547	2	0%	549	526	507	615
ZORTMAN	17	67	4	8	79	-6	-7%	73	66	67	87
ZURICH	4	15	1	1	17	-5	-31%	12	4	20	11



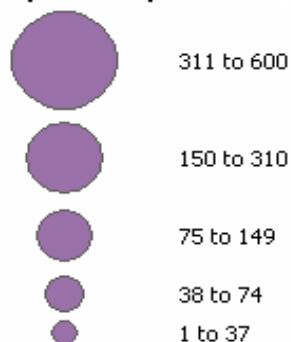
# Appendix D



## Little Shell Tribal Distribution Map



□ Population by ZIP Code





#	Community	Zip Code
45	ANACONDA	59711
7	ARLEE	59821
3	ASHLAND	59003
13	AUGUSTA	59410
39	BABB	59411
1	BAKER	59313
1	BASIN	59634
1	BELGRADE	59714
2	BELT	59412
3	BIG SANDY	82901
3	BIG SANDY	59520
56	BILLINGS	59101
34	BLACK EAGLE	59414
3	BONNER	59823
20	BOULDER FLAT	82514
29	BOX ELDER	59521
20	BOZEMAN	59715
1	BRADY	59416
4	BRIDGER	59014
279	BROWNING	59417
112	BUTTE	59701
2	BYNUM	59419
1	CARTER	59420
7	CASCADE	59421
67	CHINOOK	59523
69	CHOTEAU	59422
11	CLANCY	59634
2	COLSTRIP	59323
22	COLUMBIA FALLS	59912
3	CONRAD	59425
67	CUT BANK	59427
6	DEER LODGE	59722
2	DILLON	59725
1	DIXON	59831
40	DODSON	59524
7	DUPUYER	59432
8	EAST GLACIER	59434
20	EAST HELENA	59635
5	EUREKA	59917
5	FAIRFIELD	59436
1	FAIRVIEW	59221
5	FLORENCE	59833
3	FORT HARRISON	59602
1	FORT PECK	59223
5	FROID	59226
1	FORT SHAW	59443
2	GALLATIN GATEWAY	59718
1	GARDINER	59030
3	GEYSER	59447
40	GLASGOW	59230

#	Community	Zip Code
4	GLENDIVE	59330
586	GREAT FALLS	59405
5	HAMILTON	59840
3	HARDIN	59034
56	HARLEM	59526
1	HARLOTOWN	59085
205	HAVRE	59501
66	HEART BUTTE	59448
165	HELENA	59601
9	HELMVILLE	59843
3	HIGHWOOD	59450
13	HILGER	59451
2	HINSDALE	59241
4	HOBSON	59452
1	JEFFERSON CITY	59634
4	JOLIET	59041
46	KALISPELL	59901
3	KILA	59920
1	LAME DEER	59043
9	LAUREL	59044
60	LEWISTOWN	59457
40	LIBBY	59923
4	LINCOLN	59639
2	LIVINGSTON	59047
5	LOLO	59847
66	MALTA	59538
5	MILES CITY	59301
1	MILLTOWN	59851
61	MISSOULA	59801
3	MUSSELSHELL	59072
6	NASHUA	59248
1	OILMONT	59466
4	PABLO	59855
3	PHILLIPSBURG	59858
6	PLAINS	59859
9	POLSON	59860
9	POLSON-RURAL	59860
15	POPLAR	59255
1	RESERVE	59258
10	RONAN	59864
10	RONAN-RURAL	59864
3	ROUNDUP	59072
6	ROY	59471
1	SACO	59261
1	SANTA RITA	59427
6	SCOBEDY	59263
6	SEELEY LAKE	59868
10	SHELBY	59474
1	SHERIDAN	82801
2	SIDNEY	59270

#	Community	Zip Code
1	SOMMERS	59932
9	ST IGNATIUS	59865
1	ST XAVIER	59075
1	STANFORD	59479
11	STEVENSVILLE	59870
7	STOCKETT	59480
1	SUNBURST	59482
1	SUPERIOR	59872
1	SUPERIOR	82945
7	TOWNSEND	59644
2	TROY	59874
5	TURNER	59542
2	TWO DOT	59085
18	VAUGHN	59487
4	VIRGINIA CITY	59755
1	WAGNER	59538
9	WHITEFISH	59937
11	WHITEHALL	59759
4	WOLF CREEK	59648
41	WOLF POINT	59201
14	ZORTMAN	59546



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# Appendix E



## Appendix E - Key Characteristics

Key Characteristics (KC) are typically the most expensive element within any discipline of care. This table identifies KCs for each discipline as well as the capacity for each KC.

Discipline	Workload Units	Direct Health Care	
		Key Characteristics (KC)	KC Capacity
<b>Primary Care</b>			
Family Practice	Visits	Providers	4,512
		Provider Offices	1 per provider
		Exam Rooms	2 per provider
Internal Medicine	Visits	Providers	3,708
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic
Pediatric	Visits	Providers	4,512
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic
Ob/Gyn	Visits	Providers	3,068
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic
Primary Care Total	Visits	Providers	4,200
		Nursing Support	1.5 per provider
		Provider Offices	1 per provider
		Exam Rooms	2 per provider
<b>Emergency Care</b>			
Emergency	Visits	ER Providers	4,032
		Patient Spaces	1,938
Urgent Care	Visits	Providers	4,800
		Provider Offices	1 per provider
		Exam Rooms	6,400
Emergency Care Total	Visits	ER Providers	if <3000 visits then 1, if 3000-9999 then 2.7, if greater than 9999 visits then visits/3101
		RNs	if <3000 visits then 5.4, if 3000-5440 then 6.3, if greater than 5440 then 9.93 or visits/1501, whichever is greater
		Patient Spaces	1,938
<b>Specialty Care</b>			
Orthopedics	Visits	Providers	2,707
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 60% of time in clinic
Ophthalmology	Visits	Providers	3,609
		Provider Offices	1 per provider
		Exam Rooms	2 per provider
Dermatology	Visits	Providers	4,060
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
General Surgery	Visits	Providers	2,707
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 60% of time in clinic
Otolaryngology	Visits	Providers	2,707
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Cardiology	Visits	Providers	2,100
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Urology	Visits	Providers	2,707
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 70% of time in clinic



## Appendix E - Key Characteristics

Key Characteristics (KC) are typically the most expensive element within any discipline of care. This table identifies KCs for each discipline as well as the capacity for each KC.

Discipline	Direct Health Care		
	Workload Units	Key Characteristics (KC)	KC Capacity
Neurology	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Other Subspecialties	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Nephrology	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Allergy	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Pulmonology	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Gerontology	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Gastroenterology	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Rheumatology	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Oncology	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Pediatric Subspecialties	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Pediatric-Genetics	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
Traditional Healing	Visits	Providers	1,900
		Provider Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 80% of time in clinic
<b>Specialty Care Sub-Total</b>		Exam Rooms	2,400
		Provider Offices	1 per 2 exam rooms
<b>Total Providers</b>		Visits	Totals from Above
		Visits	Providers Provider Offices Exam Rooms & Patient Spaces

### Other Ambulatory Care Services

Dental	Dental Service Minutes	Providers	167,184 DSM per Dentist
		Provider Offices	1 per provider
		Hygienist	.5 per provider
		Dental Chairs	2.5 per provider
Optometry	Visits	Optometrist	2,008
		Eye Lanes	2 per provider
		Offices	1 per provider
Podiatry	Visits	Podiatrists	2,707
		Podiatry Offices	1 per provider
		Exam Rooms	2 per provider in clinic - 60% of time in clinic



## Appendix E - Key Characteristics

Key Characteristics (KC) are typically the most expensive element within any discipline of care. This table identifies KCs for each discipline as well as the capacity for each KC.

Discipline	Direct Health Care		
	Workload Units	Key Characteristics (KC)	KC Capacity
Dialysis Patients	Visits	Dialysis Stations	.31 station/patient in 45 hours/week operation
Audiology	Visits	Audiologists	2,008
		Audiologist Offices	1 per Audiologist
		Audiology Booths	1 per Audiologist
<b>Behavioral Health</b>			
Mental Health	Visits	Counselors	If mental health population>1000, then (((mental health population/1000)*0.50)+0.040) if not then 0
		Counselor Offices	
Psychiatry	Visits	Providers Provider Offices Exam Rooms	1,720 visits per year
Social Service	Visits	Counselors	(MSW Counselor inpatient only) If total ADPL<=0,0, if not then ((total ADPL/3)*0.10)+(social service staff) If social service population <=1000 then 0, if not then ((social service population/279)*0.10)+(clerical support) if social services population <=1000 then 0, if not then ((social services population/279)*0.02)
Domestic Violence	Interventions	Counselors Counselor Offices	
Alcohol & Substance Abuse	Visits	Counselors Counselor Offices	1,720 visits per year
<b>Inpatient Care</b>			
Labor & Delivery	Births	LDRs	.75 adpl + (1.645*sqrt(.75 adpl))
	Patient Days	Post Partum beds	
Obstetrics	Patient Days	# of Beds	
Neonatology	Patient Days	# of Bassinets	
Pediatric	Patient Days	# of Beds	adpl + (1.645*sqrt(adpl))
Adult Medical Acute Care		# of Beds	
Cardiology		# of Beds	
Endocrinology		# of Beds	
Gastroenterology		# of Beds	
General Medicine		# of Beds	
Hematology		# of Beds	
Nephrology		# of Beds	
Neurology		# of Beds	
Oncology		# of Beds	
Pulmonary		# of Beds	
Rheumatology		# of Beds	
Unknown		# of Beds	
<b>Medical Patient Day Total</b>		# of Beds	
Adult Surgical Acute Care		# of Beds	
Dentistry		# of Beds	
Dermatology		# of Beds	
General Surgery		# of Beds	
Gynecology		# of Beds	
Neurosurgery		# of Beds	
Ophthalmology		# of Beds	



## Appendix E - Key Characteristics

Key Characteristics (KC) are typically the most expensive element within any discipline of care. This table identifies KCs for each discipline as well as the capacity for each KC.

Direct Health Care			
Discipline	Workload Units	Key Characteristics (KC)	KC Capacity
Orthopedics		# of Beds	
Otolaryngology		# of Beds	
Thoracic Surgery		# of Beds	
Urology		# of Beds	
Vascular Surgery		# of Beds	
<b>Surgical Patient Day Total</b>			
Intensive Care Unit	Patient Days	# of beds	$adpl + (1.645 * \sqrt{adpl})$
Psychiatry	Patient Days	# of beds	$adpl + (1.645 * \sqrt{adpl})$
Substance Abuse	Patient Days	# of beds	
Sub Acute / Transitional Care	Patient Days	# of beds	$adpl + (1.645 * \sqrt{adpl})$
<b>Inpatient Care Totals</b>			
<b>Elder Care</b>			
Nursing Home	Patient Beds	# of patient beds	65+ User Pop X .0181 X 110%
Assisted Living	Patient Beds	# of patient beds	65+ User Pop X .0231 x 110%
Hospice	Patient Beds	# of patient beds	65+ User Pop x .00136 + (<65 x .00006)
<b>Elder Care Totals</b>			
<b>Ancillary Services</b>			
Laboratory Services	Billable Tests	tech staff @ peak	9820 billable tests/peak hours per year
Clinical Lab	Billable Tests	tech staff @ peak	9820 billable tests/peak hours per year
Microbiology	Billable Tests	tech staff @ peak	9820 billable tests/peak hours per year
Blood Bank			
Anatomical Pathology	Billable Tests	tech staff @ peak	9820 billable tests/peak hours per year
<b>Lab Totals</b>			
Acute Dialysis	Visits	# of beds	624 procedures per bed
Diagnostic Imaging			
Radiographic	Exams	Rooms	6,000
Ultrasound	Exams	Rooms	2,667
Mammography	Exams	Rooms	4,000
Fluoroscopy	Exams	Rooms	2,000
CT	Exams	Rooms	4,000
MRI	Exams	Rooms	4,000
<b>Diagnostic Imaging Total</b>			
Nuclear Medicine			
Rad. Oncology	Exams		
Chemotherapy	Exams		
Rehabilitation Services			
Physical Therapy	Visits		
Occupational Therapy	Visits		
Speech Therapy	Visits		
<b>Rehab Total</b>	Visits	Therapy FTE	1,790
Respiratory Therapy	Minutes	# of staff FTE	77,400
Cardiac Catherization Cases	Cases	Rooms	1,200
Home Health Care	Minutes		
Outpatient Endoscopy	Cases	# of Minor Procedure rooms	1,600
Outpatient Surgery Cases			
Cardiovascular	Minutes		85
Digestive	Minutes		85
Endocrine	Minutes		85
ENT	Minutes		45
Gynecology	Minutes		30
Hemic and Lymphatic	Minutes		85
Integument	Minutes		30





## Appendix E - Key Characteristics

Key Characteristics (KC) are typically the most expensive element within any discipline of care. This table identifies KCs for each discipline as well as the capacity for each KC.

Discipline	Direct Health Care		
	Workload Units	Key Characteristics (KC)	KC Capacity
Musculoskeletal	Minutes		70
Nervous	Minutes		70
Ocular	Minutes		45
Respiratory	Minutes		85
Urogenital	Minutes		60
<b>OP Surgical Case Total</b>	Cases	Outpatient ORs	1,400
Inpatient Surgery Cases	Cases	Inpatient ORs	1,000
		# of Pre-Op Spaces	1 per OR + Minor Rooms
		# of PACU Spaces	1 per OR
		# of Phase II Spaces	1.5 per OR + Minor Rooms
<b>Surgical Case Total</b>			
<b>Administrative Support</b>			
Administration	# of FTE	(Executive Staff)((if the facility is a hospital or a health center then 4, if not then 0) + (if the facility is a health station or health center, then 0, if not (if the total staff (excluding the driver, executive staff, office services, financial management , staff health, and material management) < 250, then 0, if not then ( total staff number (excluding the driver, executive staff, office services, financial management, staff health, and material management)-250)/250))+((if the facility is a health center or health station then 2, if not then 0) + (if the facility is not health center or health station, then 0, if not then (if the total staff count < than 100, then 0, if not then ( total staff count (excluding the driver, executive staff, office services, financial management, staff health, and material management)-100)/(100*1)+(Administrative Support Staff)If the facility is a hospital or medical center, then 2, if not then 0)+(If the facility is not a hospital or medical center, then 1, if not then 0)).	
Information Management	# of FTE	1 + (if( PCPVs + total inpatient days ) > 4400, then ((PCPVs+total inpatient days)/10000)*0.60) if not then 0)	



## Appendix E - Key Characteristics

Key Characteristics (KC) are typically the most expensive element within any discipline of care. This table identifies KCs for each discipline as well as the capacity for each KC.

Discipline	Direct Health Care		
	Workload Units	Key Characteristics (KC)	KC Capacity
Health Information Management	# of FTE	(Medical Records technicians) (If the facility is a hospital or a health center, then the total patient days (general medicine, OB/GYN, surgery, peds, new born, ICU/CCU)/365), if not then 0)+((primary care provider visits/4550)*1)+(Medical Records Technician (CHA/P))(CHP Ambulatory Encounters / 40,000) *1+(PCC Supervisor)((PCC data entry personnel / 4) *1)+(PCC data entry personnel)if (or(the facility is a hospital, or medical center) the (O.P WKLDP10 +1.952 * inpatient population)/(if the facility is a health station or health center, then (O.P.WKLDP10 +1.92*Ambulatory Inpatient Population)/1600) if not then 0) + P 10= If the facility is a health center, then OPVs to H.C), if not then (if the facility is a hospital or health center, then OPVs to a hospital, if not (RRM calculation PCPVs /0.8) + (OPVs to hospital = If the facility is a hospital or medical center, then (RRM Calculation PCPVs * HOSP OPV FCTR)) + (OPVs to H.C = If the facility is a health center, then RRM calculation PCPVs * MMB OPV FCTV, if not then RRM calculation PCPVs /0.8) + (Coder) (if the facility is a hospital or medical c	
Business Office	# of FTE	(Business Manager) (if the facility has outpatient visits then 1, if not then 0)+((Patient registration Tech) (( if inpatient admissions - override cell > inpatient admissions - calculated cell then inpatient admissions - override cell/2000) * 1) + (if outpatient visits > 20000 then ( outpatient visits-20000)/(10000 * 0.5) if not, then 0) + (Benefit Coordinator) (( if outpatient visits more then 10000, then (outpatient - 10000 * 1) if not then 0)+(Billing Clerk) ( if inpatient admissions-override cell > inpatient admissions-calculated cell), then (if inpatient admissions override cell < 0, then 0, if not then ((inpatient admissions override cell/2000)*1) if not (if inpatient admissions-calculated cell < 0 then 0, if not, then ((inpatient admissions calculated cell / 2000) * 1 ) + ( if primary care provider visit > 10000, then ((primary care provider visit - 10000) / 10000) * 1, if not then 0)	



## Appendix E - Key Characteristics

Key Characteristics (KC) are typically the most expensive element within any discipline of care. This table identifies KCs for each discipline as well as the capacity for each KC.

Discipline	Direct Health Care		
	Workload Units	Key Characteristics (KC)	KC Capacity
Contract Health	# of FTE	(CHS Staff) If number of CHS purchase orders < 100, then 0, if not then (number of CHS purchase orders/2000) *1)+(Utilization Review) ((CHS purchase orders/10000) * 1)+(CHS Manager) If (CHS purchase orders > 100 ,then 1 if not ,then 0)	
<b>Facility Support Services</b>			
Durable Medical	# of FTE		
Clinical Engineering	# of FTE	0.5+( if the facility is a hospital or medical center, then 1 if not ,then 0)+((PCPVs/2500)*0.30)+(Total ADPL /50000) + ((OPVs/325000)*0.50)+((ER After hours PCPVs/85000)* 0.50) + ((dental population/10000000)*0.5)+((Projected # of deliveries/5000)*0.50)+(((IN.P. surgical cases+IN.P. GYN. Surgical cases)/5500)*0.5)+((Projected # of deliveries/5000)*0.50)+(((IN.P. surgical cases+IN.P. GYN. Surgical cases)/5500)*0.5)+((Total ADPL/10000)*0.50)+(PCPVs/65000*050)+((ER After hours PCPVs/17000)*0.50)+((dental population/2000000)*50*95)	
Facility Management	# of FTE	0.5+(If the facility is a medical center or a hospital, then 2 if not ,then 0)+(New born ADPL/1*0.50)+ (if acres of ground <= 0, then calculated acres/7.5*1)+if (Total space - IN.P treatment space) <= 1500, then ((Total space -IN.P treatment IN.P treat treatment space)/16500), if not then ((total space-IN.P. treatment space)/13000)) + Quarters #	
Central Sterile	# of FTE	(Central Supply Staff) *0.67 +( total nurse stations *0.67+(Medical Technician) If surgery days > 0, then 1 if not then 0	
Dietary	# of FTE	(Registered Dietian) (If the facility is a hospital or medical center, then 1,if not then 0)+(Food Services Staff) If the facility is a hospital or medical center, then (if FAC INFO T43=1, then 0.345*OR cases, if not then 0.315*OR cases), if not (if OR cases are less or equal to 5, then 0, if not then (if FAC INFO T43=1then OR cases * 0.4 + 2, if not then 0.258 * OR cases +2)))	
Property & Supply	# of FTE	(Total RRM staff/75)*1	



## Appendix E - Key Characteristics

Key Characteristics (KC) are typically the most expensive element within any discipline of care. This table identifies KCs for each discipline as well as the capacity for each KC.

Discipline	Workload Units	Direct Health Care	
		Key Characteristics (KC)	KC Capacity
Housekeeping & Linen	# of FTE		(If the facility is a health center or health station then 2, if not, then 0) + (If ADPL < 21, then ADPL/7), if not then (((total ADPL - 21)/10)+21/7) + (total space/10000)
<b>Preventative Care</b>			
Health Promotion / Disease Prevention (Preventive Care)	# of FTE		
Public Health Nursing			(Public Health Nurse Manager) (If PHN population>1250 then 1, if not, then 0)+(Public Health Nurse) (1.38+(PHN population/1250))+0+if (PHN Population<1250, then 0, if not, then ((#of weekly one hour PHN managed clinics/1)*0.03)+((if # of CHRs supervised < 5, then 0, if not then (# of CHRs supervised-5)/10)*1)+(Public Health Nurse - Home Health Care) (if home health case =1, (0.2*(PHN pop./1250)) if not then 0) + (Public Health Nurse - School) (if PHN school=3, then 0, if not, then (0.07*PHN population)/1250)+(Clerical Support)(( 0.2*PHN pop)/1250)
Public Health Nutrition			(If Nutrition population < 1400, 0) if not then ((Nutrition population/100)*0.3)+0.3
Environmental Health			
Health Education			(If health education population<2000, then 0) of not then (if health education population <= 400, then 1 if not ,then (((health education popualiton-4000)/4000)+1)
Case Management Epidemiology	Cases	# of FTE	1 per 2400 User Pop or 1 per 2 PC Providers
<b>Additional Services</b>			
Hostel Services		# of FTE	
CHR		# of FTE	
Diabetes Program		# of FTE	
Elder Day Care		# of FTE	
EMS		# of FTE	
Injury Prevention Program		# of FTE	
Jail Health		# of FTE	
NDEE Health Web		# of FTE	
Periodontal Program		# of FTE	
Security		# of FTE	
Transportation		# of FTE	
Tribal Health Administration		# of FTE	
WIC		# of FTE	
Women's Preventive Care		# of FTE	

Intentionally Blank



# Appendix F



## Appendix F - CHS Data and the CHS Multiplier

In the effort to predict the future burden of CHS costs on the Service Units in the Billings Area, it is important to determine the past experience on a unit of service basis. This allows us to predict future CHS costs when these "unit of service" costs can be multiplied by the predicted new workloads for the expanded population. We are generally successful in finding reliable measures; but in some cases, variable definitions do not lend themselves to finding comparable measures across all Service Units. When we do not have reliable data defined uniformly across Service Units, we can still estimate the costs of these services by knowing what ratio they are to the whole of CHS expenses for the Area.

For example, we know that the Billings Area, through their F.I., expended \$80,916,806 for the years 1999, 2000, & 2001. We have broken down that total, with the help of the Area CHS Office and the F.I., into defined amounts, allowing us to determine unit of service costs for most of the service lines identified on the Resource Allocation Section of the Master Plan Primary Service Area report. These are listed on the table below and total \$67,198,499. There are five categories where the information could not be defined in reliable numerators or denominators, so we could not separate out reliable unit of service costs. These categories total \$10,590,803. There was \$3,127,504 which could not be classified into the categories. There was also \$7,795,893 paid directly by the Area Office, rather than the F.I. The table below identifies each of these totals.

In order to calculate the future CHS demand, we determine what the ratio of the unmatched amounts, (Paid by F.I. not included in the Resource Allocation, Not Classified, and Paid by Area Office) are to the amount paid by the F.I. In the Billings Area this ratio is 32%. We refer to this as the Area CHS Multiplier. We can then take the CHS estimate by service line, and apply the Area Multiplier, thereby predicting the total CHS burden for the year 2015.

Paid by F.I. - Used in Resource Allocation		Paid From Area Office		Year	Payment
Category	Payment				
O/P Physician	\$12,854,794			1999	\$1,924,146
Emergency Room	\$3,941,953			2000	\$3,120,016
Audiology	\$8,519			2001	\$2,751,731
Birth-Mom's Cost	\$669,966				
Acute Care	\$30,543,671				
Lab Billable Test-Specific	\$2,381,956				
Lab Billable Test-Non-Specific	\$2,290,577				
OP Medical Oncology	\$750,082				
Dialysis	\$89,915				
Rehabilitation	\$264,581				
OP Cardiac Cath	\$458,073				
Outpatient Surgery	\$4,587,254				
Radiology	\$8,357,158				
<b>Categories From Resource Allocation Paid by F.I. - Used in Resource Allocation</b>	<b>Sub-Total</b>	<b>\$67,198,499.00</b>			

Paid by F.I. - Not Used In Resource Allocation		Paid by F.I.-Not Used In Resource Allocation		Paid by F.I.-Not in Detail Table	
Category	Payment				
Podiatry	\$1,537,057				
Optometry	\$552,725				
Mental Health Prof.	\$942,555				
EMS Run/Transport	\$6,653,022				
Dental	\$905,444				
<b>Categories From Resource Allocation Paid by F.I.-Not Used In Resource Allocation</b>	<b>Sub-Total</b>	<b>\$10,590,803.00</b>		<b>Sub-Total</b>	<b>\$3,127,504.00</b>

Paid by F.I.-Not in Detail Table	\$3,127,504	Paid by F.I.-Not Used In Resource Allocation	\$10,590,803.00	Total Paid by F.I. not used in Resource Allocation, plus Total Paid from Area Office, divided by Total Paid by F.I. Used in Resource Allocation [or... (Sub-Total 1/Sub-Total 2)]	32%
Total Paid by F.I.	\$80,916,806			<b>Area CHS Multiplier</b>	



Cost Detail	Utilized	History	
	Contract Health Unit Cost Detail	Contract Health Unit Cost Detail	
Discipline	Cost / Unit	Cost / Unit	Remarks
<b>Primary Care</b>			
Family Practice	\$58.23	\$58.23	Area Memo from F.I.
Internal Medicine	\$58.23	\$69.43	I.M. not separated - Use Family Pract
Pediatric	\$53.86	\$53.86	Area Memo from F.I.
Ob/Gyn	\$260.83	\$260.83	Area Memo from F.I.
<b>Emergency Care</b>	\$247.38	\$247.38	Area Memo from F.I.
<b>Specialty Care</b>			
Orthopedics	\$225.65	\$225.65	Area Memo from F.I.
Ophthalmology	\$291.93	\$291.93	Area Memo from F.I.
Dermatology	\$134.75	\$134.75	Area Memo from F.I.
General Surgery	\$186.50	\$186.50	Area Memo from F.I.
Otolaryngology	\$190.58	\$190.58	Area Memo from F.I.
Cardiology	\$230.53	\$230.53	Area Memo from F.I.
Urology	\$186.50	\$215.63	UR not separated by ICD-9, Use Gen Surg
Neurology	\$198.16	\$198.16	Area Memo from F.I.
Other Subspecialties	\$570.87	\$205.13	Area Memo from F.I.
Podiatry Visits		\$570.87	Good data not available
<b>Other Ambulatory Care Services</b>			
Dental Service Minutes		\$6.59	Good date not available
Optometry Visits		\$1,579.22	Too high - Units of Service not accurate
Dialysis Patients	\$856.34	\$856.34	Area Memo - Blended Average
Audiology Visits	\$304.25	\$304.25	Area Memo from F.I.
<b>Behavioral Health</b>			
<b>Behavioral Health Total</b>		\$500.82	ICD-9 did not separate visit types
<b>Inpatient Care</b>			
Births	\$2,858.78	\$2,858.78	Area Memo from F.I.
Obstetric Patient Days	\$1,021.63	\$1,021.63	Area Memo from F.I.
Neonatology Patient Days	\$1,203.14	\$1,473.49	ICD-9 not clearly defined - Use Peds
Pediatric Patient Days	\$1,203.14	\$1,203.14	Area Memo from F.I.
Adult Medical Acute Care	\$827.41	\$827.41	Area Memo from F.I.
Adult Surgical Acute Care	\$827.41	\$827.41	Area Memo from F.I.
Intensive Care Patient Days	\$827.41	\$956.92	Use Med Surg
Psychiatric Patient Days	\$334.57	\$334.57	Area Memo from F.I.
Medical Detox	\$399.00	\$334.57	Area Memo from F.I.
<b>Ancillary Services</b>			
Laboratory Services			Area Memo - Blended Average
<b>Lab Total</b>	\$175.00	\$436.65	No Good Data Available
Pharmacy		Not Available	Area Memo - Blended Average
Radiographic exams	\$204.78	\$204.78	Area Memo - Blended Average
Ultrasound Exams	\$227.40	\$227.40	Area Memo - Blended Average
Mammography Exams	\$57.48	\$57.48	Area Memo - Blended Average
Fluoroscopy Exams	\$62.05	\$62.05	Area Memo - Blended Average
CT	\$602.23	\$602.23	Area Memo - Blended Average
MRI exams	\$812.80	\$812.80	Area Memo - Blended Average
Nuclear Medicine	\$510.89	\$510.89	Area Memo - Blended Average
Chemotherapy	\$778.90	\$778.90	Area Memo - Blended Average



Cost Detail	Utilized	History	Remarks
	Contract Health Unit Cost Detail	Contract Health Unit Cost Detail	
Discipline	Cost / Unit	Cost / Unit	
<b>Rehab Total</b>	\$209.82	\$209.82	Area Memo
Cardiac Catheterization	\$2,503.13	\$2,503.13	Area Memo
Surgery			
Outpatient Endoscopy Cases	\$1,220.00	\$556.36	Area Memo
Outpatient Surgery Cases	\$1,220.00	\$972.91	Area Memo
<b>Facility Support Services</b>			
Durable Medical Equipment		\$236.61	
<b>Additional Services - IHS Supported</b>			
EMS		\$1,288.70	No good data available
Transportation		\$118.32	No good data available
<b>Additional Services - Non-IHS Supported</b>			
Home Health Care	\$3,425.14	\$3,425.14	Area Memo



### Contract Health Dollars per 2015 User Population - PSAs & Roll Up

All Billings Area PSAs - Urban Programs Included					
State	Service Unit	Primary Service Area (PSA)	Inflation Adjusted 2015 CHS \$	2015 User Pop	
Wyoming	Wind River	Arapahoe	\$1,103,622	4,645	
Montana	Flathead	Arlee	\$74,942	2,558	
Montana	Blackfeet	Babb St. Mary	\$0	334	
Montana	Urban Program	Billings Urban	\$2,460,700	6,198	
Montana	Blackfeet	Browning	\$9,965,232	10,190	
Montana	Urban Program	Butte Urban	\$4,531,689	1,042	
Montana	Crow	Crow	\$9,417,864	6,301	
Montana	Flathead	Elmo	\$36,186	1,124	
Montana	Ft. Belknap	Ft. Belknap	\$7,476,920	3,638	
Wyoming	Wind River	Ft. Washakie	\$18,021,093	6,556	
Montana	Urban Program	Great Falls Urban	\$7,588,584	3,360	
Montana	Ft. Belknap	Hays	\$48,171	1,951	
Montana	Blackfeet	Heart Butte	\$0	1,115	
Montana	Urban Program	Helena Urban	\$4,532,288	1,953	
Montana	No. Cheyenne	Lame Deer	\$5,382,315	7,715	
Montana	Crow	Lodge Grass	\$6,494	3,145	
Montana	Flathead	Missoula Urban	\$9,940,550	2,587	
Montana	Flathead	Polson	\$14,819,840	3,555	
Montana	Ft. Peck	Poplar	\$15,424,944	5,436	
Montana	Crow	Pryor	\$0	1,166	
Montana	Rocky Boy's	Rocky Boy's	Not Studied		
Montana	Flathead	Ronan	\$93,721	3,387	
Montana	Blackfeet	Seville	\$0	899	
Montana	Flathead	St. Ignatius	\$6,313,888	2,327	
Montana	Ft. Peck	Wolf Point	\$273,184	4,578	
<b>TOTAL</b>			<b>\$117,512,225</b>	<b>85,760</b>	

All Billings Area - Service Unit Roll Up					
State	Service Unit	Inflation Adjusted 2015 CHS \$ - Roll Up	2015 User Pop	2015 CHS \$/User Pop	% of User Population
Wyoming	Wind River	\$19,124,715	11,201	\$1,707	12.6%
Montana	Flathead	\$21,338,577	12,951	\$1,648	14.6%
Montana	Blackfeet	\$9,965,232	12,538	\$795	14.1%
Montana	Urban Program	\$29,053,811	15,140	\$1,919	17.0%
Montana	Crow *	\$9,424,358	13,677	\$689	15.4%
Montana	Ft. Belknap	\$7,525,090	5,589	\$1,346	6.3%
Montana	Ft. Peck	\$15,698,128	10,014	\$1,568	11.3%
Montana	No.Cheyenne	\$5,382,315	7,715	\$698	8.7%
Montana	Rocky Boy's				0.0%
<b>TOTAL</b>			<b>\$117,512,225</b>	<b>88,825</b>	<b>100.0%</b>
<b>100.0%</b>					

\* Billings, Montana HSP User Population is included in the Crow Rollup to reflect full Service Unit numbers and accurate SU to SU comparison

Note: CHS \$ are at the Service Unit rather than the satellite PSA. A "0" entry is often a reflection simply of this fact.





### Contract Health Dollars per 2015 User Population - PSAs & Roll Up (No Urban Programs)

All Billings Area PSAs - No Urban Programs					
State	Service Unit	Primary Service Area (PSA)	Inflation Adjusted 2015 CHS \$	2015 User Pop	
Wyoming	Wind River	Arapahoe	\$1,103,622	4,645	
Montana	Flathead	Arlee	\$74,942	2,558	
Montana	Blackfeet	Babb St. Mary	\$0	334	
Montana	Blackfeet	Browning	\$9,965,232	10,190	
Montana	Crow	Crow	\$9,417,864	6,301	
Montana	Flathead	Elmo	\$36,186	1,124	
Montana	Ft. Belknap	Ft. Belknap	\$7,476,920	3,638	
Wyoming	Wind River	Ft. Washakie	\$18,021,093	6,556	
Montana	Ft. Belknap	Hays	\$48,171	1,951	
Montana	Blackfeet	Heart Butte	\$0	1,115	
Montana	No. Cheyenne	Lame Deer	\$5,382,315	7,715	
Montana	Crow	Lodge Grass	\$6,494	3,145	
Montana	Flathead	Polson	\$14,819,840	3,555	
Montana	Ft. Peck	Poplar	\$15,424,944	5,436	
Montana	Crow	Pryor	\$0	1,166	
Montana	Rocky Boy's	Rocky Boy's	Not Studied		
Montana	Flathead	Ronan	\$93,721	3,387	
Montana	Blackfeet	Seville	\$0	899	
Montana	Flathead	St. Ignatius	\$6,313,888	2,327	
Montana	Ft. Peck	Wolf Point	\$273,184	4,578	
<b>TOTAL</b>			<b>\$88,458,414</b>	<b>70,620</b>	

All Billings Area - Service Unit Roll Up No Urban Programs					
State	Service Unit	2015 Contract Health Dollars Roll Up	2015 User Pop	2015 CHS \$/User Pop	% of User Population
Wyoming	Wind River	\$19,124,715	11,201	\$1,707	15.2%
Montana	Flathead	\$21,338,577	12,951	\$1,648	17.6%
Montana	Blackfeet	\$9,965,232	12,538	\$795	17.0%
Montana	Crow *	\$9,424,358	13,677	\$689	18.6%
Montana	Ft. Belknap	\$7,525,090	5,589	\$1,346	7.6%
Montana	Ft. Peck	\$15,698,128	10,014	\$1,568	13.6%
Montana	No.Cheyenne	\$5,382,315	7,715	\$698	10.5%
Montana	Rocky Boy's	Not Studied			
<b>TOTAL</b>			<b>\$88,458,414</b>	<b>73,685</b>	<b>100.0%</b>
<b>% of Population Served that is not CHS eligible</b>					
26%					
<b>2015 Need for CHS \$\$\$</b>					
<b>\$65,459,226</b>					

\* this percentage does not include the urban populations as forecast in this study, this percentage is based solely on existing information within the RPMS system.

\* Billings, Montana HSP User Population is included in the Crow Rollup to reflect full Service Unit numbers and accurate SU to SU comparison  
Note: CHS \$ are at the Service Unit rather than the satellite PSA. A "0" entry is often a reflection simply of this fact.



# Appendix G



## Historical Workloads-Diabetes Impact

At the request of the Billings Area Office, The Innova Group studied the potential impact of the increasing number of diabetics on the predicted volumes of future care. There was a concern we might be under predicting the workloads in nine specific service lines:

Office Visits	Inpatient Care	OP Procedures
Ophthalmology	Cardiology	Cardiovascular
Cardiology	Endocrinology	
Neurology	Neurology	
Optometry		
Podiatry		

In an effort to estimate the current rate of diabetes in the Billings Area population, we searched the Billings data to identify the number of people which had sought care in 2001, then queried the data for the number of these people who had a diagnosis of Diabetes. We found the diabetes prevalence rate for the Billings Area to be 16.13%.

The Innova Group then looked at the entire Billings Area RPMS data set and extracted the number of visits or cases for these service lines, both Direct Care and Contract Care, for the years 1999, 2000, and 2001. We then searched these episodes of care and filtered out the number of visits (or cases) which carried with it an ICD-9 code for diabetes. From this data we were able to identify the current impact of the 16% prevalence rate and establish the service line specific impact. (see table: Historical Workloads/Diabetes Impact)

As the U.S. Population prevalence rate for Diabetes is expected to increase from 4% to 7.2% during the years 2000 to 2050 (an 80% increase)\*, we determined that for the period up to 2015, or roughly 1/3 of the time frame, we would predict a 24% increase, or 1.7% per year. It is important to remember that the diabetic related visits are a small number of the whole, so the growth, while steady, may not be dramatic based on the service line studied.

By knowing the diabetic prevalence rate, we could split the 2001 population into two cohorts, diabetics and non-diabetics. By knowing the number of diabetic related visits, we could predict a visit rate for diabetics. We then split the predicted population for 2015 into these two cohorts and predicted visits for each cohort. For the non-diabetic cohort we used the standard increase in visits by the population growth in each PSA. For the diabetic cohort, we used the visit/diabetic times the predicted increased number of diabetics. Adding these two sums together, we then came up with the future visits for these selected service lines, thereby stating the mathematical relationship for each service line as follows: for each 1% increase in Population growth the workload will go up .XX% in each service line. These are displayed on the following pages titled: "Diabetes Impact per Product Line". While we predicted a 19.29% increase in visits tied to population increase to 2015 for each specific Service Area, the diabetes affected product lines below are predicted to grow as indicated.

Office Visits	% Growth to 2015
Ophthalmology	21.26%
Cardiology	19.75%
Neurology	19.70%
Optometry	22.21%
Podiatry	25.02%
<b>Inpatient</b>	
Cardiology	31.15%
Endocrinology	41.30%
Neurology	30.82%
<b>OP Procedures</b>	
Cardiovascular	23.20%

\* Boyle, Hunnicutt, Narayan, et. al.; Profection of Diabetes Burden Through 2050: Diabetes Care 24: 1936-1940, 2001



### Historical Workloads/Diabetes Impact

Historical Workloads according to RPMS, Contract Health and Questionnaire data.

Discipline	Direct or Tribal Health Care			Contract Health Care				Predicted	Percent Diabetic Impact Factor	
	1999	2000	2001	Average	1999	2000	2001	Average	% Contract Care	
<b>Provider Visits Only</b>										
<b>Specialty Care</b>										
Ophthalmology	869	463	434	589	1,062	804	849	905	60.6%	1494
Cardiology	329	363	463	385	386	409	437	411	51.6%	796
Neurology	598	554	381	511	372	291	276	313	38.0%	824
Optometry Visits	19,704	19,162	18,309	19,058	1,947	858	253	1,019	5.1%	20,078
Podiatry Visits	4,220	5,177	5,510	4,969	688	685	654	676	12.0%	5,645
<b>Inpatient Care</b>										
Cardiology	587	571	415	524	1,195	1,034	1,075	1,101	67.7%	1,626
Endocrinology	453	388	436	426	281	247	248	259	37.8%	684
Neurology	177	165	151	164	420	332	349	367	69.1%	531
Ophthalmology	7	5	14	9	38	10	14	21	70.5%	29
<b>Outpatient Surgery Cases</b>										
Cardiovascular	301	1,007	646	651				0	0.0%	651
Endocrine	0	1	0	0				0	0.0%	0
Ocular	23	59	80	54				0	0.0%	54
<b>Counts with Diabetes Impact</b>										
Discipline	Direct or Tribal Health Care			Contract Health Care				Predicted	Percent Diabetic Impact Factor	
	1999	2000	2001	Average	1999	2000	2001	Average	% Contract Care	
<b>Specialty Care</b>										
Ophthalmology	90	86	83	86	0	1	50	17	16.5%	24%
Cardiology	5	5	14	8	0	0	14	5	36.8%	24%
Neurology	9	17	8	11	0	0	2	1	5.6%	24%
Optometry Visits	1,415	1,747	1,841	1,668	641	428	76	382	18.6%	24%
Podiatry Visits	735	1,002	1,642	1,126	0	0	12	4	0.4%	24%
<b>Inpatient Care</b>										
Cardiology	341	341	238	307	419	346	338	368	54.5%	24%
Endocrinology	398	318	343	353	170	157	192	173	32.9%	24%
Neurology	98	91	58	82	196	106	94	132	61.6%	24%
Ophthalmology	0	2	0	1	6	4	0	3	83.3%	24%
<b>Outpatient Surgery Cases</b>										
Cardiovascular	66	130	72	89				0	0.0%	24%
Endocrine	0	0	0	0				0	0.0%	0
Ocular	0	0	1	0				0	0.0%	24%

from: Billings Area Combined - Assessment & Delivery Workbook

Discipline	Direct or Tribal Health Care			Contract Health Care				Total	Percent Diabetic Impact	Diabetic Impact Combined
	1999	2000	2001	Average	1999	2000	2001	Average	% Contract Care	
<b>Provider Visits Only</b>										
<b>Specialty Care</b>										
Ophthalmology	869	463	434	589	1,062	804	849	905	60.6%	1494
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Endocrine	0	1	0	0				0	0.0%	0
Ocular	23	59	80	54				0	0.0%	0
<b>Counts with Diabetes Impact</b>										
Discipline	Direct or Tribal Health Care			Contract Health Care				Predicted	Percent Diabetic Impact Factor	
	1999	2000	2001	Average	1999	2000	2001	Average	% Contract Care	
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Ophthalmology	90	86	83	86	0	1	50	17	16.5%	24%
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Cardiology	341	341	238	307	419	346	338	368	54.5%	24%
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<b>Outpatient Surgery Cases</b>										
Cardiovascular	66	130	72	89				0	0.0%	24%
Endocrine	0	0	0	0				0	0.0%	0
Ocular	0	0	1	0				0	0.0%	24%

***Diabetes Impact per Product Line***

= direct input cells  
 = calculated cells

**Product Line:** *Cardiovascular OP*

	2001		visit growth%	2015
Visits	651	m	23.20%	802
			$p=(n/m)/m$	n

Diabetic Visits	89	i	$i/e^c$	=	132
-----------------	----	---	---------	---	-----

Non-Diabetic visits	562		$*(1+h)$	=	670
---------------------	-----	--	----------	---	-----

For every 1% in population growth the workload will go up	1.20%
	$p/h \ %$

2001 User Pop	2001	Pop Growth %	2015
		2000-2015	
	77,444	d	92,380

% of Diabetics	0.1613	g	1.24	=	0.200012	b
	"					

Diabetic User	12,492	e			18,477	c
---------------	--------	---	--	--	--------	---

Non-Diabetic User	64,952	f			73,903
	f=d-e				=a-c



## ***Diabetes Impact per Product Line***

 = direct input cells  
 = calculated cells

**Product Line:** *Inpatient Neurology*

	2001	visit growth%	2015
Visits	531 m	30.82%	695 n

$p=n/m$

**Diabetic Visits**      **214**      **i**      **i/e\*c**      **=**      **317**

$$\text{Non-Diabetic visits} \quad \boxed{317} \quad * (1+h) \quad = \quad \boxed{378}$$

For every 1% in population growth the workload will go up	<b>1.60%</b>
	p/h %

2001 User Pop	2001	Pop Growth %	2015
77,444	d x	19.29% $a/d=h$	92,380 a

$$\frac{\% \text{ of Diabetics}}{\text{g}} = \frac{1.24}{\text{b}}$$

Diabetic User	<b>12,492</b>	e	<b>18,477</b>	c
---------------	---------------	---	---------------	---

<b>Non-Diabetic User</b>	<b>64,952</b>	<b>f</b>	<b>73,903</b>
	<b>f=d-e</b>		<b>=a-c</b>

***Diabetes Impact per Product Line***

= direct input cells  
 = calculated cells

**Product Line:** *Inpatient Endocrinology*

	2001		visit growth%		2015
Visits	684	m	41.30%		967 n

$p=n/m$

Diabetic Visits	526	i	$i/e^*c$	=	778
-----------------	-----	---	----------	---	-----

Non-Diabetic visits	158	$*(1+h)$	=	188
---------------------	-----	----------	---	-----

For every 1% in population growth the workload will go up	<b>2.14%</b>
	$p/h \ %$

2001 User Pop	2001	Pop Growth %	2015
	77,444	19.29% $a/d=h$	92,380 a

x

% of Diabetics	0.1613	g	1.24	=	0.200012 b
	"				

Diabetic User	12,492	e			18,477 c
---------------	--------	---	--	--	----------

Non-Diabetic User	64,952	f			73,903
	$f=d-e$				$=a-c$





## ***Diabetes Impact per Product Line***

 = direct input cells  
 = calculated cells

**Product Line:** *Inpatient Cardiology*

	2001	visit growth%	2015	
Visits	1,626	m	2,133	n
		31.15%		
		p=n/m		

**Diabetic Visits**      **674**      **i**      **i/e\*c**      **=**      **997**

$$\text{Non-Diabetic visits} \quad \boxed{952} \quad *(1+h) \quad = \quad \boxed{1,136}$$

For every 1% in population growth the workload will go up **1.62%**  
**p/h %**

2001 User Pop	2001	Pop Growth %	2015
77,444	d x	19.29% $a/d=h$	92,380 a

$$\frac{\% \text{ of Diabetics}}{\text{g}} = \frac{1.24}{\text{b}}$$

<b>Diabetic User</b>	<b>12,492</b>	<b>e</b>	<b>18,477</b>	<b>c</b>
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<b>Non-Diabetic User</b>	<b>64,952</b>	<b>f</b>	<b>73,903</b>
	<b>f=d-e</b>		<b>=a-c</b>



**Diabetes Impact per Product Line**

= direct input cells  
= calculated cells

**Product Line:** *Ophthalmology Office Visits*

Visits	2001	visit growth%	2015
	1,494	m	1,812

$$p=n/m$$

Diabetic Visits	103	i	$i/e^c$	=	152
-----------------	-----	---	---------	---	-----

Non-Diabetic visits	1,391	$*(1+h)$	=	1,659
---------------------	-------	----------	---	-------

For every 1% in population growth the workload will go up	1.10%
	p/h %

2001 User Pop	2001	Pop Growth %	2015
	77,444	d	92,380

$$x \quad \quad \quad h \quad \quad \quad a/d=h$$

% of Diabetics	0.1613	g	1.24	=	0.200012	b
"						

Diabetic User	12,492	e	18,477	c
---------------	--------	---	--------	---

Non-Diabetic User	64,952	f	73,903
$f=d-e$			=a-c



**Diabetes Impact per Product Line**

= direct input cells  
= calculated cells

Product Line: **Cardiology Office Visits**

	2001	visit growth%	2015
Visits	796	m	953

$p=n/m$

Diabetic Visits	13	i	$i/e^c$	=	19
-----------------	----	---	---------	---	----

Non-Diabetic visits	783	$*(1+h)$	=	934
---------------------	-----	----------	---	-----

For every 1% in population growth the workload will go up	1.02%
	$p/h \ %$

2001 User Pop	2001	Pop Growth %	2015
	77,444	d	92,380

$x$

$19.29\%$

$a/d=h$

% of Diabetics	0.1613	g	1.24	=	0.200012	b
	"					

Diabetic User	12,492	e	18,477	c
---------------	--------	---	--------	---

Non-Diabetic User	64,952	f	73,903
	$f=d-e$		$=a-c$



## ***Diabetes Impact per Product Line***

= direct input cells  
= calculated cells

**Product Line:** *Neurology Office Visits*

	2001	visit growth%	2015	
Visits	824	m	986	n
		19.70%		
		p=n/m		

**Diabetic Visits**      **12**      **i**      **i/e\*c**      **=**      **18**

$$\text{Non-Diabetic visits} \quad \boxed{812} \quad *(1+h) \quad = \quad \boxed{969}$$

For every 1% in population growth the workload will go up	<b>1.02%</b>
	<b>p/h %</b>

2001 User Pop	2001	Pop Growth %	2015
77,444	d x	19.29% $a/d=h$	92,380 a

$$\frac{\% \text{ of Diabetics}}{\text{g}} = \frac{1.24}{\text{b}}$$

Diabetic User	<b>12,492</b>	e	<b>18,477</b>	c
---------------	---------------	---	---------------	---

<b>Non-Diabetic User</b>	<b>64,952</b>	<b>f</b>	<b>73,903</b>
	<b>f=d-e</b>		<b>=a-c</b>



## **Diabetes Impact per Product Line**

 = direct input cells  
 = calculated cells

## **Product Line:** *Optometry Office Visits*

	2001	visit growth%	2015
Visits	20,078	m	24,537

$p=n/m$

**Diabetic Visits**      **2,049**      **i**      **i/e\*c**      **=**      **3,031**

**Non-Diabetic visits**      **18,029**      **\* $(1+h)$**       **=**      **21,506**

For every 1% in population growth the workload will go up	1.15%
	p/h %

2001 User Pop	2001	Pop Growth %	2015
77,444	d	19.29%	92,380
x		a/d=h	a

$$\frac{\% \text{ of Diabetics}}{\text{g}} = \frac{1.24}{\text{b}}$$

<b>Diabetic User</b>	<b>12,492</b>	<b>e</b>	<b>18,477</b>	<b>c</b>
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<b>Non-Diabetic User</b>	<b>64,952</b>	<b>f</b>	<b>73,903</b>
	<b>f=d-e</b>		<b>=a-c</b>



## **Diabetes Impact per Product Line**

 = direct input cells  
 = calculated cells

**Product Line:** *Podiatry Office visits*

	2001	visit growth%	2015	
Visits	5,645	m	7,057	n
		p=n/m		

**Diabetic Visits**      **1,130**      **i**      **i/e\*c**      **=**      **1,671**

**Non-Diabetic visits**      **4,515**      **\*(1+h)**      **=**      **5,386**

For every 1% in population growth the workload will go up	1.30%
	p/h %

2001 User Pop	2001	Pop Growth %	2015
77,444	d	19.29%	92,380
x		a/d=h	a

$$\frac{\% \text{ of Diabetics}}{\text{g}} = \frac{1.24}{\text{b}}$$

<b>Diabetic User</b>	<b>12,492</b>	<b>e</b>	<b>18,477</b>	<b>c</b>
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<b>Non-Diabetic User</b>	<b>64,952</b>	<b>f</b>	<b>73,903</b>
	<b>f=d-e</b>		<b>=a-c</b>